



Member of the Phoenix Contact Group

rde Connectors & Cables, Inc.

Full Line Catalog

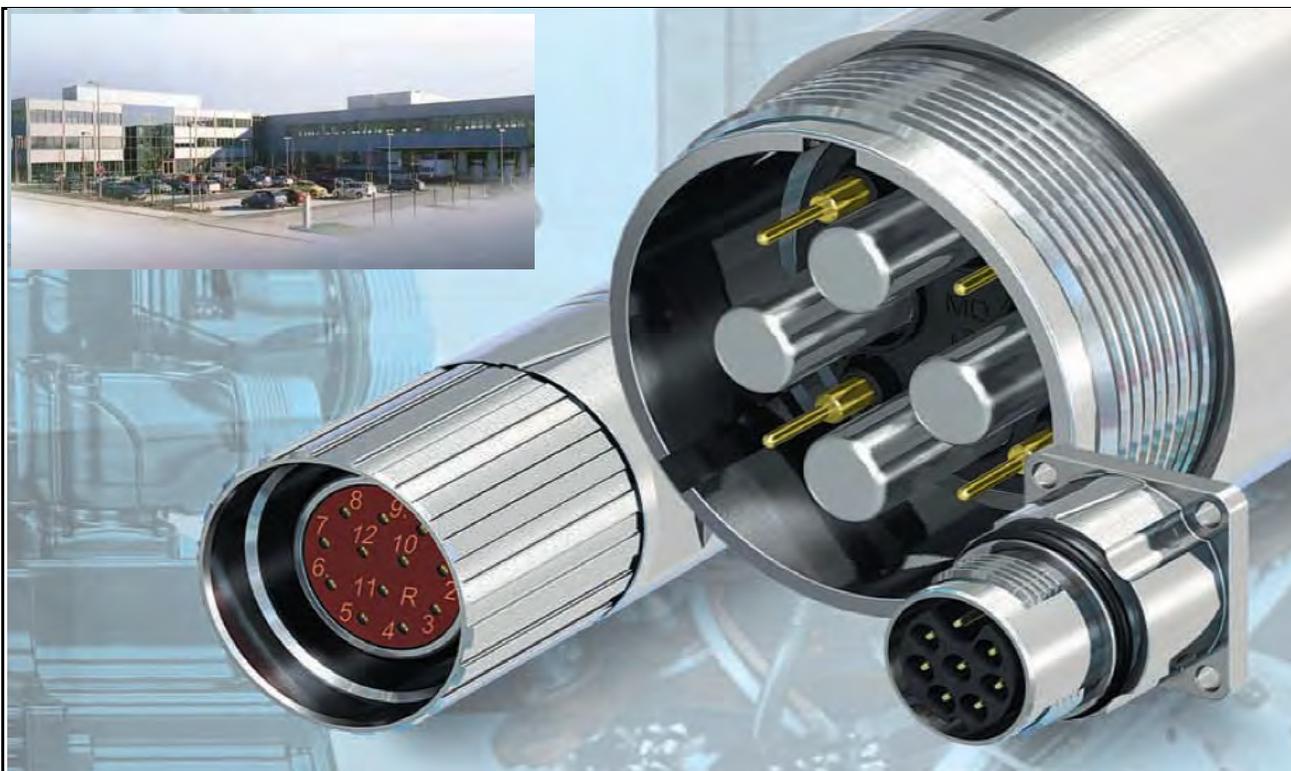
Specialists in Robust, Machine Turned Connector Systems...



rde provides our customers with...competent solutions - fast turnaround - reliable service

2019

rde Connectors & Cables, Inc.
5277 N.W. 108 Avenue Sunrise, FL 33351
Phone: 954-746-6400
Fax: 954-746-4700
www.rde-usa.com



Member of the Phoenix Contact Group

Circular Connectors

M 17 Series

M 23 Series

M 27 Series

M 40 Series

M 58 Series

Bayonet Series

Speedon (quick turn)

solder cup versions

dip solder versions

crimp versions

straight cable connectors

right angled cable connectors

round flange bulkheads

square flange bulkheads

rear mount versions

front mount versions

**All Connector Sizes (Accessories see A-B-03)
Quick Reference Chart**



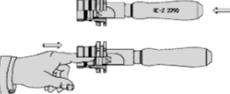
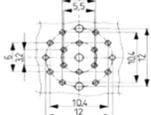
Connector Images	Series	Locking	Positions	Volt/Amp max.
	CA crimp	Speedcon	12/17	150/8
	CA crimp	M23	12/17	150/8
	CA RC-Inserts	Speedcon	6-19	300/20
	CA RC-Inserts	M23	6-19	300/20
	HC	M27	26/28	150/8
	RC/RM	M23	6-19	250/20
	RF crimp	Speedcon	12/16/17	150/8
	RF crimp	M23	12/16/17	150/8
	SF Power	Speedcon	6/8	630/30
	SF Power	M23	6/8	630/30
	SH hybrid	Speedcon	4+4+4+PE	850/50
	SH hybrid	M23	4+4+4+PE	850/50
	SL Power	M58	6/8	630/150
	SM Power	Speedcon	6/8	630/70
	SM Power	M40	6/8	630/70
	SSR	M23	6-19	250/20
	ST Signal	Speedcon	8/17	60/3.6
	ST Signal	M17	8/17	60/3.6
	ST Power	Speedcon	4/9	630/14
	ST Power	M17	4/9	630/14
	TU	Bayonet	6-19	250/20
	UC	M23	6-19	250/20

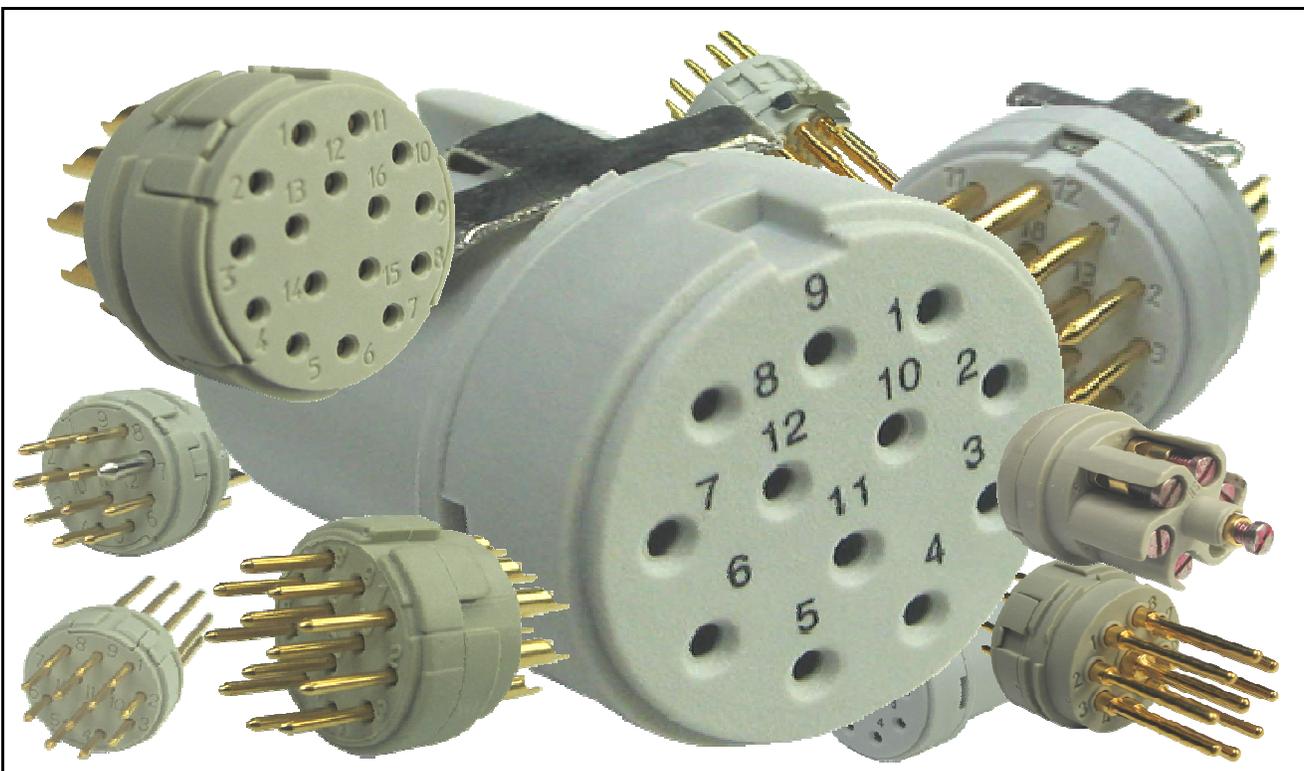
**All Connector Sizes (Accessories see A-B-03)
Quick Reference Chart**



Cable Ø	AWG	Contacts Ø	Material	Shield	UL	Info on page...
14.5 mm	28-17	1.0 mm	Cu-Zn GD-Zn	yes	no	C-L-00...
14.5 mm	28-17	1.0 mm	Cu-Zn GD-Zn	yes	no	C-L-00...
14.5 mm	26-14	1/1.5/2.0	Cu-Zn GD-Zn	yes	no	C-L-00...
14.5 mm	26-14	1/1.5/2.0	Cu-Zn GD-Zn	yes	no	C-L-00...
18.0 mm	28-17	1.0 mm	Cu-Zn	yes	no	C-P-00...
18.0 mm	26-14	1/1.5/2.0	Cu-Zn	no	yes	C-F-00...
13.2 mm	28-20	1.0 mm	Cu-Zn GD-Zn	yes	yes	C-E-00...
13.2 mm	28-20	1.0 mm	Cu-Zn GD-Zn	yes	yes	C-E-00...
18.0 mm	24-12	1.0/2.0 mm	Cu-Zn GD-Zn	yes	yes	C-K-00...
18.0 mm	24-12	1.0/2.0 mm	Cu-Zn GD-Zn	yes	yes	C-K-00...
18.0 mm	28-10	0.8/1.0/2.0	Cu-Zn GD-Zn	yes	no	C-T-00...
18.0 mm	28-10	0.8/1.0/2.0	Cu-Zn GD-Zn	yes	no	C-T-00...
36.0 mm	16-1	1.6/10.0	Aluminum anod.	yes	no	C-R-00...
26.5 mm	26-8	2.0/3.6	Cu-Zn GD-Zn	yes	yes	C-Q-00...
26.5 mm	26-8	2.0.3.6	Cu-Zn GD-Zn	yes	yes	C-Q-00...
19.0 mm	26-14	1.0/1.5/2.0	stainl.steel	no	no	C-H-00...
10.0 mm	28-17	0.6	Cu-Zn GD-Zn	yes	no	C-D-00...
10.0 mm	28-17	0.6	Cu-Zn GD-Zn	yes	no	C-D-00...
10.0 mm	28-14	0.6/1.0/2.0	Cu-Zn GD-Zn	yes	no	C-D-00...
10.0 mm	28-14	0.6/1.0/2.0	Cu-Zn GD-Zn	yes	no	C-D-00...
18.0 mm	26-14	1.0/1.5/2.0	Cu-Zn	yes	no	C-A-00...
18.0 mm	26-14	1.0/1.5/2.0	Cu-Zn	yes	no	C-G-00...

Mounting - Crimping - Data - Assembly - Accessories

	Connector Inserts for the series RC, RF-solder, TU, UC, SSR, CA	B-A-00...
	Connector Inserts for the series HC, ST, RF	B-A-40...
	Crimp Tools	B-B-00...
	Crimp Contacts	B-C-00...
	Assembly Instructions	B-D-00...
	Mounting Tools	B-E-00...
	Layouts (Pin Configurations)	B-G-00
	Caps and Accessories	B-H-00...



Member of the Phoenix Contact Group

Connector Inserts

Interchangeable Connector Crimp- and Solder Inserts

6-26 positions.

RC Inserts for RC/UC/TU/SSR/CA Connectors

HC Inserts for HC Connectors

ST Inserts for ST Connectors

RF Inserts for RF Connectors

SF Inserts for SF Connectors

SM Inserts for SM Connectors

SL Inserts for SL Connectors

Interchangeable Connector Inserts

They fit into all connectors **SERIES TU, RC/RM, CA, UC, SSR**



Examples how to integrate the Insert into your Connector P/N.

All Connector pages with the **SERIES TU, RC/RM, CA, UC, SSR** uses the following Part Number definition.

Part Number	TU-	x	x	x	x	x	x	x	.....	see B-A-02
Part Number	RC-	x	x	x	x	x	x	x	.....	see B-A-02
Part Number	RM-	x	x	x	x	x	x	x	.....	see B-A-02
Part Number	CA-	x	x	x	x	x	x	x	.....	see B-A-02
Part Number	UC-	x	x	x	x	x	x	x	.....	see B-A-02
Part Number	SSR-	x	x	x	x	x	x	x	.....	see B-A-02
Part Number	RF-	x	x	x	x	x	x	x	.....	see B-A-58
Part Number	ST-	x	x	x	x	x	x	x	.....	see B-A-50
Part Number	HC-	x	x	x	x	x	x	x	.....	see B-A-40

Please fill in the first 7 digits of your desired connector insert (6-19 positions) from pages B-A-01....



△ △ △ △ △ △ △

for example:

6 position male, clockwise, solder cups

only 6-19 positions	RC-	0	6	P	1	N	1	2
---------------------	------------	----------	----------	----------	----------	----------	----------	----------



△ △ △ △ △ △ △

for example:

16 position female, counter clockwise, solder cups

only 6-19 positions	UC-	1	6	S	1	N	1	2
---------------------	------------	----------	----------	----------	----------	----------	----------	----------

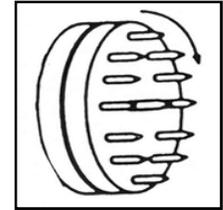
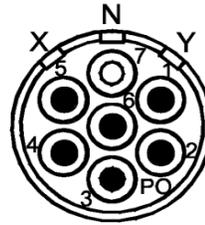
Please find all possible Connector Inserts on the following pages.....

Interchangeable Connector Inserts

usable for Cable/Panel Connectors (PCB panel only)



6 positions male, clockwise numbering
 Contact diameter 6 x 2.0 mm
 Solder connections up to AWG14
 Crimp connections up to AWG14
 Screw connections up to AWG17
 Coding possibilities X, Y, N (N = standard)
 Nominal current (25°C) 20A
 Nominal voltage 250 Volt



View to outside (connecting side)

solder cups	crimp w/o contacts	PCB contacts	screw contacts
-------------	--------------------	--------------	----------------

Here are the 7 digits to integrate into your connector part number.



Solder cups	Coding "N or X or Y"	"N" code is standard	0	6	P	1	N	1	2
Crimp insert	Coding "N or X or Y"	contacts see page B-C-01	0	6	P	1	N	8	A
Screw contacts	Coding "N"	only available in "N"	0	6	P	1	N	S	2
PCB contacts	Coding "N or X or Y"	"N" code is standard	0	6	P	1	N	2	2
PCB contacts	Coding "N or X or Y"	"N" code is standard	0	6	P	1	N	3	2
PCB contacts	Coding "N or X or Y"	"N" code is standard	0	6	P	1	N	A	2
PCB contacts	Coding "N or X or Y"	"N" code is standard	0	6	P	1	N	C	2

Free solder pin length for PCB contacts used with the following panel connectors.....

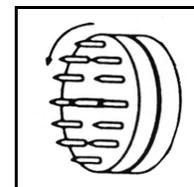
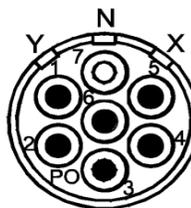
06P1(N)22	06P1(N)32	06P1(N)A2	06P1(N)C2	Dip solder pin Ø 1.5 mm		
3.5 mm	4.5 mm	10.0 mm	17.5 mm	RC	style 2	
3.5 mm	4.5 mm	10.0 mm	17.5 mm	RC	style 4/5	
2.5 mm	3.5 mm	9.0 mm	16.5 mm	TU	style 4/5	
		10.0 mm	17.5 mm	RC	style W	
		9.0 mm	16.5 mm	TU	style WB	
		3.5 mm	11.0 mm	RC	style H/E	
		6.0 mm	13.0 mm	RC	style 60	
		2.0 mm	9.0 mm	RC	style 6R	



Interchangeable Connector Inserts

usable for Cable/Panel Connectors (PCB panel only)

6 positions male, counter clockwise numbering
 Contact diameter 6 x 2.0 mm
 Solder connections up to AWG14
 Crimp connections N/A
 Screw connections N/A
 Coding possibilities X, Y, N (N = standard)
 Nominal current (25°C) 20A
 Nominal voltage 250 Volt



View to outside (connecting side)

solder cups	crimp w/o contacts	PCB contacts	screw contacts
-------------	--------------------	--------------	----------------

Here are the 7 digits to integrate into your connector part number.



Solder cups	Coding "N or X or Y"	"N" code is standard	0	6	P	2	N	1	2
Crimp insert									
Screw contacts									
PCB contacts									
PCB contacts									
PCB contacts									
PCB contacts									

Free solder pin length for PCB contacts used with the following panel connectors.....

N/A	N/A	N/A	N/A	RC	style 2	
N/A	N/A	N/A	N/A	RC	style 4/5	
N/A	N/A	N/A	N/A	TU	style 4/5	
N/A	N/A	N/A	N/A	RC	style W	
N/A	N/A	N/A	N/A	TU	style WB	
N/A	N/A	N/A	N/A	RC	style H/E	
N/A	N/A	N/A	N/A	RC	style 60	
N/A	N/A	N/A	N/A	RC	style 6R	

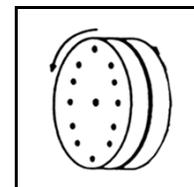
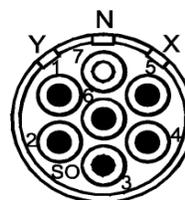


Interchangeable Connector Inserts

usable for Cable/Panel Connectors (PCB panel only)

6 positions female, counter clockwise numbering

Contact diameter 6 x 2.0 mm
 Solder connections up to AWG14
 Crimp connections up to AWG14
 Screw connections up to AWG17
 Coding possibilities X, Y, N (N = standard)
 Nominal current (25°C) 20A
 Nominal voltage 250 Volt



View to outside (connecting side)

solder cups	crimp w/o contacts	PCB contacts	screw contacts
-------------	--------------------	--------------	----------------

Here are the 7 digits to integrate into your connector part number.



Solder cups	Coding "N or X or Y"	"N" code is standard	0	6	S	1	N	1	2
Crimp insert	Coding "N or X or Y"	contacts see page B-C-01	0	6	S	1	N	8	A
Screw contacts	Coding "N"	only available in "N"	0	6	S	1	N	S	2
PCB contacts	Coding "N or X or Y"	"N" code is standard	0	6	S	1	N	2	2
PCB contacts	Coding "N or X or Y"	"N" code is standard	0	6	S	1	N	3	2
PCB contacts	Coding "N or X or Y"	"N" code is standard	0	6	S	1	N	A	2
PCB contacts	Coding "N or X or Y"	"N" code is standard	0	6	S	1	N	C	2

Free solder pin length for PCB contacts used with the following panel connectors.....

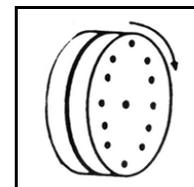
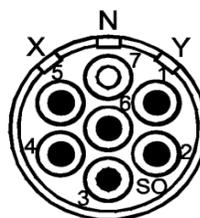
06S1(N)22	06S1(N)32	06S1(N)A2	06S1(N)C2	Dip solder pin Ø 1.5 mm		
3.5 mm	4.5 mm	10.0 mm	17.5 mm	RC	style 2	
3.5 mm	4.5 mm	10.0 mm	17.5 mm	RC	style 4/5	
2.5 mm	3.5 mm	9.0 mm	16.5 mm	TU	style 4/5	
		10.0 mm	17.5 mm	RC	style W	
		9.0 mm	16.5 mm	TU	style WB	
		3.5 mm	11.0 mm	RC	style H/E	
		6.0 mm	13.0 mm	RC	style 60	
		2.0 mm	9.0 mm	RC	style 6R	



Interchangeable Connector Inserts

usable for Cable/Panel Connectors (PCB panel only)

6 positions female, clockwise numbering
 Contact diameter 6 x 2.0 mm
 Solder connections up to AWG14
 Crimp connections N/A
 Screw connections N/A
 Coding possibilities X, Y, N (N = standard)
 Nominal current (25°C) 20A
 Nominal voltage 250 Volt



View to outside (connecting side)

solder cups	crimp w/o contacts	PCB contacts	screw contacts
-------------	--------------------	--------------	----------------

Here are the 7 digits to integrate into your connector part number.



Solder cups	Coding "N or X or Y"	"N" code is standard	0	6	S	2	N	1	2
Crimp insert									
Screw contacts									
PCB contacts									
PCB contacts									
PCB contacts									
PCB contacts									

Free solder pin length for PCB contacts used with the following panel connectors.....

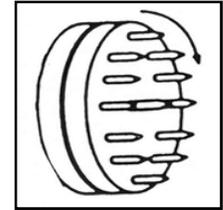
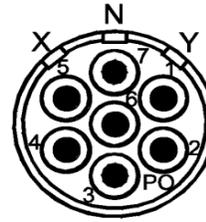
N/A	N/A	N/A	N/A	RC style 2	
N/A	N/A	N/A	N/A	RC style 4/5	
N/A	N/A	N/A	N/A	TU style 4/5	
N/A	N/A	N/A	N/A	RC style W	
N/A	N/A	N/A	N/A	TU style WB	
N/A	N/A	N/A	N/A	RC style H/E	
N/A	N/A	N/A	N/A	RC style 60	
N/A	N/A	N/A	N/A	RC style 6R	

Interchangeable Connector Inserts

usable for Cable/Panel Connectors (PCB panel only)



7 positions male, clockwise numbering
 Contact diameter 7 x 2.0 mm
 Solder connections up to AWG14
 Crimp connections up to AWG14
 Screw connections up to AWG17
 Coding possibilities X, Y, N (N = standard)
 Nominal current (25°C) 20A
 Nominal voltage 250 Volt



View to outside (connecting side)

solder cups	crimp w/o contacts	PCB contacts	screw contacts
-------------	--------------------	--------------	----------------

Here are the 7 digits to integrate into your connector part number.



Connector Type	Coding	Notes	0	7	P	1	N	1	2
Solder cups	Coding "N or X or Y"	"N" code is standard	0	7	P	1	N	1	2
Crimp insert	Coding "N or X or Y"	contacts see page B-C-01	0	7	P	1	N	8	A
Screw contacts	Coding "N"	only available in "N"	0	7	P	1	N	S	2
PCB contacts	Coding "N or X or Y"	"N" code is standard	0	7	P	1	N	2	2
PCB contacts	Coding "N or X or Y"	"N" code is standard	0	7	P	1	N	3	2
PCB contacts	Coding "N or X or Y"	"N" code is standard	0	7	P	1	N	A	2
PCB contacts	Coding "N or X or Y"	"N" code is standard	0	7	P	1	N	C	2

Free solder pin length for PCB contacts used with the following panel connectors.....

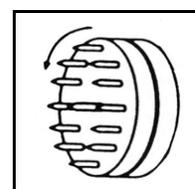
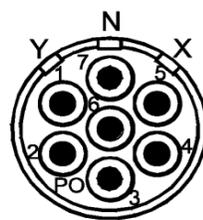
07P1(N)22	07P1(N)32	07P1(N)A2	07P1(N)C2	Dip solder pin Ø 1.5 mm		
3.5 mm	4.5 mm	10.0 mm	17.5 mm	RC	style 2	
3.5 mm	4.5 mm	10.0 mm	17.5 mm	RC	style 4/5	
2.5 mm	3.5 mm	9.0 mm	16.5 mm	TU	style 4/5	
		10.0 mm	17.5 mm	RC	style W	
		9.0 mm	16.5 mm	TU	style WB	
		3.5 mm	11.0 mm	RC	style H/E	
		6.0 mm	13.0 mm	RC	style 60	
		2.0 mm	9.0 mm	RC	style 6R	



Interchangeable Connector Inserts

usable for Cable/Panel Connectors (PCB panel only)

7 positions male, counter clockwise numbering
 Contact diameter 7 x 2.0 mm
 Solder connections up to AWG14
 Crimp connections N/A
 Screw connections N/A
 Coding possibilities X, Y, N (N = standard)
 Nominal current (25°C) 20A
 Nominal voltage 250 Volt



View to outside (connecting side)

solder cups	crimp w/o contacts	PCB contacts	screw contacts
-------------	--------------------	--------------	----------------

Here are the 7 digits to integrate into your connector part number.



Solder cups	Coding "N or X or Y"	"N" code is standard	0	7	P	2	N	1	2
Crimp insert									
Screw contacts									
PCB contacts									
PCB contacts									
PCB contacts									
PCB contacts									

Free solder pin length for PCB contacts used with the following panel connectors.....

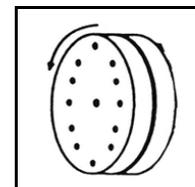
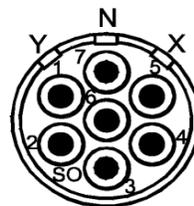
N/A	N/A	N/A	N/A	RC style 2		
N/A	N/A	N/A	N/A	RC style 4/5		
N/A	N/A	N/A	N/A	TU style 4/5		
N/A	N/A	N/A	N/A	RC style W		
N/A	N/A	N/A	N/A	TU style WB		
N/A	N/A	N/A	N/A	RC style H/E		
N/A	N/A	N/A	N/A	RC style 60		
N/A	N/A	N/A	N/A	RC style 6R		

Interchangeable Connector Inserts

usable for Cable/Panel Connectors (PCB panel only)

7 positions female, counter clockwise numbering

Contact diameter 7 x 2.0 mm
 Solder connections up to AWG14
 Crimp connections up to AWG14
 Screw connections up to AWG17
 Coding possibilities X, Y, N (N = standard)
 Nominal current (25°C) 20A
 Nominal voltage 250 Volt



View to outside (connecting side)

solder cups	crimp w/o contacts	PCB contacts	screw contacts
-------------	--------------------	--------------	----------------

Here are the 7 digits to integrate into your connector part number.



Insert Type	Coding	Notes	0	7	S	1	N	1	2
Solder cups	Coding "N or X or Y"	"N" code is standard	0	7	S	1	N	1	2
Crimp insert	Coding "N or X or Y"	contacts see page B-C-01	0	7	S	1	N	8	A
Screw contacts	Coding "N"	only available in "N"	0	7	S	1	N	S	2
PCB contacts	Coding "N or X or Y"	"N" code is standard	0	7	S	1	N	2	2
PCB contacts	Coding "N or X or Y"	"N" code is standard	0	7	S	1	N	3	2
PCB contacts	Coding "N or X or Y"	"N" code is standard	0	7	S	1	N	A	2
PCB contacts	Coding "N or X or Y"	"N" code is standard	0	7	S	1	N	C	2

Free solder pin length for PCB contacts used with the following panel connectors.....

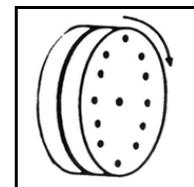
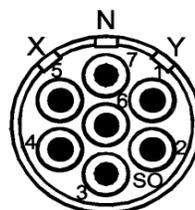
07S1(N)22	07S1(N)32	07S1(N)A2	07S1(N)C2	Dip solder pin Ø 1.5 mm		
3.5 mm	4.5 mm	10.0 mm	17.5 mm	RC	style 2	
3.5 mm	4.5 mm	10.0 mm	17.5 mm	RC	style 4/5	
2.5 mm	3.5 mm	9.0 mm	16.5 mm	TU	style 4/5	
		10.0 mm	17.5 mm	RC	style W	
		9.0 mm	16.5 mm	TU	style WB	
		3.5 mm	11.0 mm	RC	style H/E	
		6.0 mm	13.0 mm	RC	style 60	
		2.0 mm	9.0 mm	RC	style 6R	



Interchangeable Connector Inserts

usable for Cable/Panel Connectors (PCB panel only)

7 positions female, clockwise numbering
 Contact diameter 7 x 2.0 mm
 Solder connections up to AWG14
 Crimp connections N/A
 Screw connections N/A
 Coding possibilities X, Y, N (N = standard)
 Nominal current (25°C) 20A
 Nominal voltage 250 Volt



View to outside (connecting side)

solder cups	crimp w/o contacts	PCB contacts	screw contacts
-------------	--------------------	--------------	----------------

Here are the 7 digits to integrate into your connector part number.



Solder cups	Coding "N or X or Y"	"N" code is standard	0	7	S	2	N	1	2
Crimp insert									
Screw contacts									
PCB contacts									
PCB contacts									
PCB contacts									
PCB contacts									

Free solder pin length for PCB contacts used with the following panel connectors.....

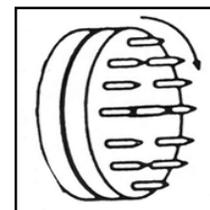
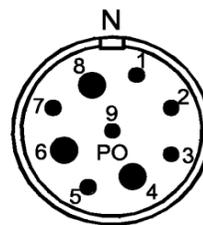
N/A	N/A	N/A	N/A	RC	style 2		
N/A	N/A	N/A	N/A	RC	style 4/5		
N/A	N/A	N/A	N/A	TU	style 4/5		
N/A	N/A	N/A	N/A	RC	style W		
N/A	N/A	N/A	N/A	TU	style WB		
N/A	N/A	N/A	N/A	RC	style H/E		
N/A	N/A	N/A	N/A	RC	style 60		
N/A	N/A	N/A	N/A	RC	style 6R		



Interchangeable Connector Inserts

usable for Cable/Panel Connectors (PCB panel only)

9 positions male, clockwise numbering (6+3)
 Contact diameter 3 x 2.0 mm / 6 x 1.0 mm
 Solder connections up to AWG14/17
 Crimp connections N/A
 Screw connections N/A
 Coding possibilities (N = standard only)
 Nominal current (25°C) 20/8A
 Nominal voltage 150 Volt



View to outside (connecting side)

solder cups	crimp w/o contacts	PCB contacts	screw contacts
-------------	--------------------	--------------	----------------

Here are the 7 digits to integrate into your connector part number.

Solder cups	Coding "N"	only available in "N"	6	3	P	1	N	1	2		
Crimp insert											
Screw contacts											
PCB contacts	Coding "N"	only available in "N"	6	3	P	1	N	2	2		
PCB contacts	Coding "N"	only available in "N"	6	3	P	1	N	3	2		
PCB contacts	Coding "N"	only available in "N"	6	3	P	1	N	A	2		
PCB contacts	Coding "N"	only available in "N"	6	3	P	1	N	C	2		

Free solder pin length for PCB contacts used with the following panel connectors.....

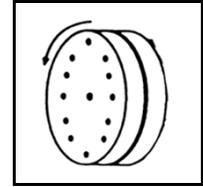
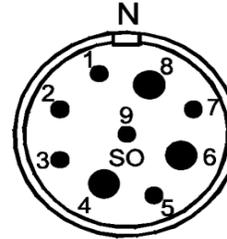
63P1N22	63P1N32	63P1NA2	63P1NC2	Dip solder pin Ø 6x0.6/6x1.0/6x1.2/6x1.2 mm and 3 x 1.5 mm		
3.5 mm	4.5 mm	10.0 mm	17.5 mm	RC	style 2	
3.5 mm	4.5 mm	10.0 mm	17.5 mm	RC	style 4/5	
2.5 mm	3.5 mm	9.0 mm	16.5 mm	TU	style 4/5	
		10.0 mm	17.5 mm	RC	style W	
		9.0 mm	16.5 mm	TU	style WB	
		3.5 mm	11.0 mm	RC	style H/E	
		6.0 mm	13.0 mm	RC	style 60	
		2.0 mm	9.0 mm	RC	style 6R	

Interchangeable Connector Inserts

usable for Cable/Panel Connectors (PCB panel only)



9 positions female, counter clockwise numbering (6+3)
 Contact diameter 3 x 2.0 mm / 6 x 1.0 mm
 Solder connections up to AWG14/17
 Crimp connections N/A
 Screw connections N/A
 Coding possibilities (N = standard only)
 Nominal current (25°C) 20/8A
 Nominal voltage 150 Volt



View to outside (connecting side)

solder cups	crimp w/o contacts	PCB contacts	screw contacts
-------------	--------------------	--------------	----------------

Here are the 7 digits to integrate into your connector part number.



Solder cups	Coding "N"	only available in "N"	6	3	S	1	N	1	2
Crimp insert									
Screw contacts									
PCB contacts	Coding "N"	only available in "N"	6	3	S	1	N	2	2
PCB contacts	Coding "N"	only available in "N"	6	3	S	1	N	3	2
PCB contacts	Coding "N"	only available in "N"	6	3	S	1	N	A	2
PCB contacts	Coding "N"	only available in "N"	6	3	S	1	N	C	2

Free solder pin length for PCB contacts used with the following panel connectors.....

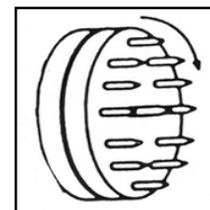
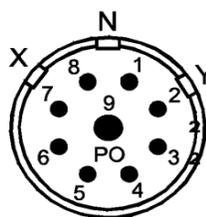
63S1N22	63S1N32	63S1NA2	63S1NC2	Dip solder pin Ø 6x0.6/6x1.0/6x1.2/6x1.2 mm and 3 x 1.5 mm	
3.5 mm	4.5 mm	10.0 mm	17.5 mm	RC	style 2 
3.5 mm	4.5 mm	10.0 mm	17.5 mm	RC	style 4/5 
2.5 mm	3.5 mm	9.0 mm	16.5 mm	TU	style 4/5 
		10.0 mm	17.5 mm	RC	style W 
		9.0 mm	16.5 mm	TU	style WB 
		3.5 mm	11.0 mm	RC	style H/E 
		6.0 mm	13.0 mm	RC	style 60 
		2.0 mm	9.0 mm	RC	style 6R 



Interchangeable Connector Inserts

usable for Cable/Panel Connectors (PCB panel only)

9 positions male, clockwise numbering (8+1)
 Contact diameter 1 x 2.0 mm / 8 x 1.0 mm
 Solder connections up to AWG14/17
 Crimp connections up to AWG14/20
 Screw connections up to AWG17/18
 Coding possibilities X, Y, N (N = standard)
 Nominal current (25°C) 20/8A
 Nominal voltage 150 Volt



View to outside (connecting side)

solder cups	crimp w/o contacts	PCB contacts	screw contacts	Here are the 7 digits to integrate into your connector part number.						
Solder cups	Coding "N or X or Y"	"N" code is standard		0	9	P	1	N	1	2
Crimp insert	Coding "N"	contacts see page B-C-02		0	9	P	1	N	8	A
Screw contacts	Coding "N"	only available in "N"		0	9	P	1	N	S	2
PCB contacts	Coding "N or X or Y"	"N" code is standard		0	9	P	1	N	2	2
PCB contacts	Coding "N or X or Y"	"N" code is standard		0	9	P	1	N	3	2
PCB contacts	Coding "N or X or Y"	"N" code is standard		0	9	P	1	N	A	2
PCB contacts	Coding "N or X or Y"	"N" code is standard		0	9	P	1	N	C	2

Free solder pin length for PCB contacts used with the following panel connectors.....

09P1(N)22	09P1(N)32	09P1(N)A2	09P1(N)C2	Dip solder pin Ø 8x0.6/8x1.0/8x1.2/8x1.2 mm and 1 x 1.5 mm	
3.5 mm	4.5 mm	10.0 mm	17.5 mm	RC	style 2
3.5 mm	4.5 mm	10.0 mm	17.5 mm	RC	style 4/5
2.5 mm	3.5 mm	9.0 mm	16.5 mm	TU	style 4/5
		10.0 mm	17.5 mm	RC	style W
		9.0 mm	16.5 mm	TU	style WB
		3.5 mm	11.0 mm	RC	style H/E
		6.0 mm	13.0 mm	RC	style 60
		2.0 mm	9.0 mm	RC	style 6R

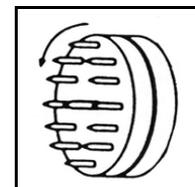
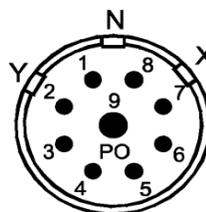


Interchangeable Connector Inserts

usable for Cable/Panel Connectors (PCB panel only)

9 positions male, counter clockwise numbering (8+1)

Contact diameter 1 x 2.0 mm / 8 x 1.0 mm
 Solder connections up to AWG14/17
 Crimp connections up to AWG14/20
 Screw connections up to AWG17/18
 Coding possibilities X, Y, N (N = standard)
 Nominal current (25°C) 20/8A
 Nominal voltage 150 Volt



View to outside (connecting side)

Here are the 7 digits to integrate into your connector part number.



solder cups	crimp w/o contacts	PCB contacts	screw contacts							
Solder cups	Coding "N or X or Y"	"N" code is standard		0	9	P	2	N	1	2
Crimp insert	Coding "N"	contacts see page B-C-02		0	9	P	2	N	8	A
Screw contacts	Coding "N"	only available in "N"		0	9	P	2	N	S	2
PCB contacts	Coding "N"	only available in "N"		0	9	P	2	N	2	2
PCB contacts	Coding "N"	only available in "N"		0	9	P	2	N	3	2
PCB contacts	Coding "N"	only available in "N"		0	9	P	2	N	A	2
PCB contacts	Coding "N"	only available in "N"		0	9	P	2	N	C	2

Free solder pin length for PCB contacts used with the following panel connectors.....

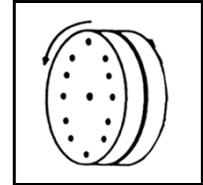
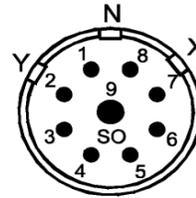
09P2N22	09P2N32	09P2NA2	09P2NC2	Dip solder pin Ø 8x0.6/8x1.0/8x1.2/8x1.2 mm and 1 x 1.5 mm		
3.5 mm	4.5 mm	10.0 mm	17.5 mm	RC	style 2	
3.5 mm	4.5 mm	10.0 mm	17.5 mm	RC	style 4/5	
2.5 mm	3.5 mm	9.0 mm	16.5 mm	TU	style 4/5	
		10.0 mm	17.5 mm	RC	style W	
		9.0 mm	16.5 mm	TU	style WB	
		3.5 mm	11.0 mm	RC	style H/E	
		6.0 mm	13.0 mm	RC	style 60	
		2.0 mm	9.0 mm	RC	style 6R	



Interchangeable Connector Inserts

usable for Cable/Panel Connectors (PCB panel only)

9 positions female, counter clockwise numbering (8+1)
 Contact diameter 1 x 2.0 mm / 8 x 1.0 mm
 Solder connections up to AWG14/17
 Crimp connections up to AWG14/20
 Screw connections up to AWG17/18
 Coding possibilities X, Y, N (N = standard)
 Nominal current (25°C) 20/8A
 Nominal voltage 150 Volt



[View to outside \(connecting side\)](#)

solder cups	crimp w/o contacts	PCB contacts	screw contacts
-------------	--------------------	--------------	----------------

Here are the 7 digits to integrate into your connector part number.



Configuration	Coding	Notes	0	9	S	1	N	1	2
Solder cups	Coding "N or X or Y"	"N" code is standard	0	9	S	1	N	1	2
Crimp insert	Coding "N"	contacts see page B-C-02	0	9	S	1	N	8	A
Screw contacts	Coding "N"	only available in "N"	0	9	S	1	N	S	2
PCB contacts	Coding "N or X or Y"	"N" code is standard	0	9	S	1	N	2	2
PCB contacts	Coding "N or X or Y"	"N" code is standard	0	9	S	1	N	3	2
PCB contacts	Coding "N or X or Y"	"N" code is standard	0	9	S	1	N	A	2
PCB contacts	Coding "N or X or Y"	"N" code is standard	0	9	S	1	N	C	2

Free solder pin length for PCB contacts used with the following panel connectors.....

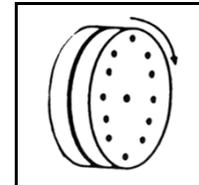
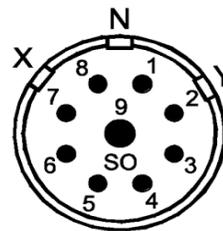
09S1(N)22	09S1(N)32	09S1(N)A2	09S1(N)C2	Dip solder pin Ø 8x0.6/8x1.0/8x1.2/8x1.2 mm and 1 x 1.5 mm		
3.5 mm	4.5 mm	10.0 mm	17.5 mm	RC	style 2	
3.5 mm	4.5 mm	10.0 mm	17.5 mm	RC	style 4/5	
2.5 mm	3.5 mm	9.0 mm	16.5 mm	TU	style 4/5	
		10.0 mm	17.5 mm	RC	style W	
		9.0 mm	16.5 mm	TU	style WB	
		3.5 mm	11.0 mm	RC	style H/E	
		6.0 mm	13.0 mm	RC	style 60	
		2.0 mm	9.0 mm	RC	style 6R	



Interchangeable Connector Inserts

usable for Cable/Panel Connectors (PCB panel only)

9 positions female, clockwise numbering (8+1)
 Contact diameter 1 x 2.0 mm / 8 x 1.0 mm
 Solder connections up to AWG14/17
 Crimp connections up to AWG14/20
 Screw connections up to AWG17/18
 Coding possibilities X, Y, N (N = standard)
 Nominal current (25°C) 20/8A
 Nominal voltage 150 Volt



View to outside (connecting side)

solder cups	crimp w/o contacts	PCB contacts	screw contacts
-------------	--------------------	--------------	----------------

Here are the 7 digits to integrate into your connector part number.



Configuration	Coding	Notes	0	9	S	2	N	1	2
Solder cups	Coding "N or X or Y"	"N" code is standard	0	9	S	2	N	1	2
Crimp insert	Coding "N"	contacts see page B-C-02	0	9	S	2	N	8	A
Screw contacts	Coding "N"	only available in "N"	0	9	S	2	N	S	2
PCB contacts	Coding "N or X or Y"	"N" code is standard	0	9	S	2	N	2	2
PCB contacts	Coding "N or X or Y"	"N" code is standard	0	9	S	2	N	3	2
PCB contacts	Coding "N or X or Y"	"N" code is standard	0	9	S	2	N	A	2
PCB contacts	Coding "N or X or Y"	"N" code is standard	0	9	S	2	N	C	2

Free solder pin length for PCB contacts used with the following panel connectors.....

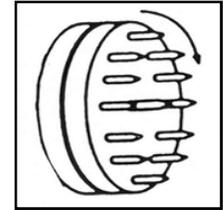
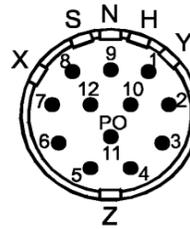
09S2(N)22	09S2(N)32	09S2(N)A2	09S2(N)C2	Dip solder pin Ø 8x0.6/8x1.0/8x1.2/8x1.2 mm and 1 x 1.5 mm		
3.5 mm	4.5 mm	10.0 mm	17.5 mm	RC	style 2	
3.5 mm	4.5 mm	10.0 mm	17.5 mm	RC	style 4/5	
2.5 mm	3.5 mm	9.0 mm	16.5 mm	TU	style 4/5	
		10.0 mm	17.5 mm	RC	style W	
		9.0 mm	16.5 mm	TU	style WB	
		3.5 mm	11.0 mm	RC	style H/E	
		6.0 mm	13.0 mm	RC	style 60	
		2.0 mm	9.0 mm	RC	style 6R	

Interchangeable Connector Inserts

usable for Cable/Panel Connectors (PCB panel only)



12 positions male, clockwise numbering
 Contact diameter 12 x 1.0 mm
 Solder connections up to AWG17
 Crimp connections up to AWG17
 Screw connections N/A
 Coding possibilities X, Y, N, S, H, Z (N = standard)
 Nominal current (25°C) 8A
 Nominal voltage 150 Volt



[View to outside \(connecting side\)](#)

Here are the 7 digits to integrate into your connector part number.

solder cups	crimp 8A w/o contacts	PCB contacts	crimp RA w/o contacts							
Solder cups	Coding "N or X or Y"	"N" code is standard		1	2	P	1	N	1	2
Crimp insert	Coding "N/S/X/H/Y/Z"	contacts see page B-C-03		1	2	P	1	N	8	A
Crimp insert	Coding "N"	contacts see page B-C-03		1	2	P	1	N	R	A
PCB contacts	Coding "N or X or Y"	"N" code is standard		1	2	P	1	N	2	2
PCB contacts	Coding "N or X or Y"	"N" code is standard		1	2	P	1	N	3	2
PCB contacts	Coding "N or X or Y"	"N" code is standard		1	2	P	1	N	A	2
PCB contacts	Coding "N or X or Y"	"N" code is standard		1	2	P	1	N	C	2
PCB contacts	Coding "N or X or Y"	"N" code is standard		1	2	P	1	N	X	2

Free solder pin length for PCB contacts used with the following panel connectors.....

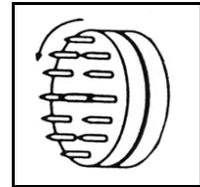
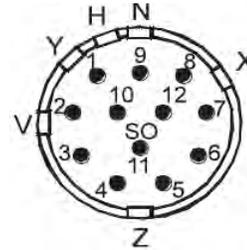
12P1(N)22	12P1(N)32	12P1(N)A2	12P1(N)C2	12P1(N)X2	Pin Ø 12x0.6/12x1.0/12x1.2/12x1.2/12x1.2 mm		
3.5 mm	4.5 mm	10.0 mm	17.5 mm	14.5 mm	RC style 2		
3.5 mm	4.5 mm	10.0 mm	17.5 mm	14.5 mm	RC style 4/5		
2.5 mm	3.5 mm	9.0 mm	16.5 mm	13.5 mm	TU style 4/5		
		10.0 mm	17.5 mm	14.5 mm	RC style W		
		9.0 mm	16.5 mm	13.5 mm	TU style WB		
		3.5 mm	11.0 mm	8.0 mm	RC style H/E		
		6.0 mm	13.0 mm	10.0 mm	RC style 60		
		2.0 mm	9.0 mm	6.0 mm	RC style 6R		



Interchangeable Connector Inserts

usable for Cable/Panel Connectors (PCB panel only)

12 positions male, counter clockwise numbering
 Contact diameter 12 x 1.0 mm
 Solder connections up to AWG17
 Crimp connections up to AWG17
 Screw connections N/A
 Coding possibilities X, Y, N, S, H, Z (N = standard)
 Nominal current (25°C) 8A
 Nominal voltage 150 Volt



View to outside (connecting side)

Here are the 7 digits to integrate into your connector part number.

solder cups	crimp 8A w/o contacts	PCB contacts	crimp RA w/o contacts								
Solder cups	Coding "N/S/X or Y"	"N" code is standard		1	2	P	2	N	1	2	
Crimp insert	Coding "N/S/X/H/Y/Z"	contacts see page B-C-03		1	2	P	2	N	8	A	
Crimp insert	Coding "N"	contacts see page B-C-03		1	2	P	2	N	R	A	
PCB contacts	Coding "N or X or Y"	"N" code is standard		1	2	P	2	N	2	2	
PCB contacts	Coding "N or X or Y"	"N" code is standard		1	2	P	2	N	3	2	
PCB contacts	Coding "N or X or Y"	"N" code is standard		1	2	P	2	N	A	2	
PCB contacts	Coding "N or X or Y"	"N" code is standard		1	2	P	2	N	C	2	

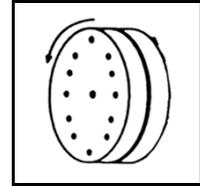
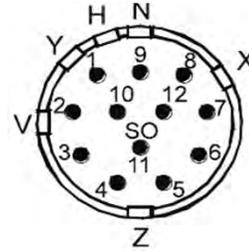
Free solder pin length for PCB contacts used with the following panel connectors.....

12P2(N)22	12P2(N)32	12P2(N)A2	12P2(N)C2	Dip solder pin Ø 12x0.6 / 12x1.0 / 12x1.2 / 12x1.2 mm	
3.5 mm	4.5 mm	10.0 mm	17.5 mm	RC style 2	
3.5 mm	4.5 mm	10.0 mm	17.5 mm	RC style 4/5	
2.5 mm	3.5 mm	9.0 mm	16.5 mm	TU style 4/5	
		10.0 mm	17.5 mm	RC style W	
		9.0 mm	16.5 mm	TU style WB	
		3.5 mm	11.0 mm	RC style H/E	
		6.0 mm	13.0 mm	RC style 60	
		2.0 mm	9.0 mm	RC style 6R	

Interchangeable Connector Inserts

usable for Cable/Panel Connectors (PCB panel only)

12 positions female, counter clockwise numbering
 Contact diameter 12 x 1.0 mm
 Solder connections up to AWG17
 Crimp connections up to AWG17
 Screw connections N/A
 Coding possibilities X, Y, N, S, H, Z (N = standard)
 Nominal current (25°C) 8A
 Nominal voltage 150 Volt



View to outside (connecting side)

Here are the 7 digits to integrate into your connector part number.

solder cups	crimp 8A w/o contacts	PCB contacts	crimp RA w/o contacts
Solder cups	Coding "N/S/X/Z/Y"	"N" code is standard	1 2 S 1 N 1 2
Crimp insert	Coding "N/S/X/H/Y/Z"	contacts see page B-C-04	1 2 S 1 N 8 A
Crimp insert	Coding "N"	contacts see page B-C-04	1 2 S 1 N R A
PCB contacts	Coding "N or X or Y"	"N" code is standard	1 2 S 1 N 2 2
PCB contacts	Coding "N or X or Y"	"N" code is standard	1 2 S 1 N 3 2
PCB contacts	Coding "N or X or Y"	"N" code is standard	1 2 S 1 N A 2
PCB contacts	Coding "N or X or Y"	"N" code is standard	1 2 S 1 N C 2

Free solder pin length for PCB contacts used with the following panel connectors.....

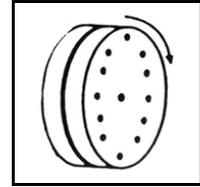
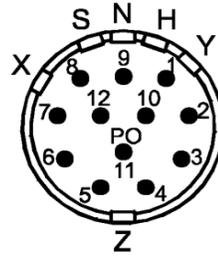
12S1(N)22	12S1(N)32	12S1(N)A2	12S1(N)C2	Dip solder pin Ø 12x0.6 / 12x1.0 / 12x1.2 / 12x1.2 mm
3.5 mm	4.5 mm	10.0 mm	17.5 mm	RC style 2
3.5 mm	4.5 mm	10.0 mm	17.5 mm	RC style 4/5
2.5 mm	3.5 mm	9.0 mm	16.5 mm	TU style 4/5
		10.0 mm	17.5 mm	RC style W
		9.0 mm	16.5 mm	TU style WB
		3.5 mm	11.0 mm	RC style H/E
		6.0 mm	13.0 mm	RC style 60
		2.0 mm	9.0 mm	RC style 6R



Interchangeable Connector Inserts

usable for Cable/Panel Connectors (PCB panel only)

12 positions female, clockwise numbering
 Contact diameter 12 x 1.0 mm
 Solder connections up to AWG17
 Crimp connections up to AWG17
 Screw connections N/A
 Coding possibilities X, Y, N, S, H, Z (N = standard)
 Nominal current (25°C) 8A
 Nominal voltage 150 Volt



View to outside (connecting side)

Here are the 7 digits to integrate into your connector part number.

solder cups	crimp 8A w/o contacts	PCB contacts	crimp RA w/o contacts								
Solder cups	Coding "N/ X/S/Y"	"N" code is standard		1	2	S	2	N	1	2	
Crimp insert	Coding "N/S/X/H/Y"	contacts see page B-C-04		1	2	S	2	N	8	A	
Crimp insert	Coding "N"	contacts see page B-C-04		1	2	S	2	N	R	A	
PCB contacts	Coding "N or X or Y"	"N" code is standard		1	2	S	2	N	2	2	
PCB contacts	Coding "N or X or Y"	"N" code is standard		1	2	S	2	N	3	2	
PCB contacts	Coding "N or X or Y"	"N" code is standard		1	2	S	2	N	A	2	
PCB contacts	Coding "N or X or Y"	"N" code is standard		1	2	S	2	N	C	2	

Free solder pin length for PCB contacts used with the following panel connectors.....

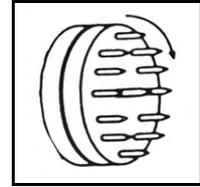
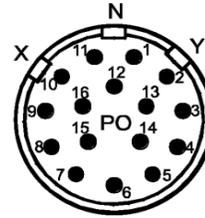
12S2(N)22	12S2(N)32	12S2(N)A2	12S2(N)C2	Dip solder pin Ø 12x0.6 / 12x1.0 / 12x1.2 / 12x1.2 mm	
3.5 mm	4.5 mm	10.0 mm	17.5 mm	RC style 2	
3.5 mm	4.5 mm	10.0 mm	17.5 mm	RC style 4/5	
2.5 mm	3.5 mm	9.0 mm	16.5 mm	TU style 4/5	
		10.0 mm	17.5 mm	RC style W	
		9.0 mm	16.5 mm	TU style WB	
		3.5 mm	11.0 mm	RC style H/E	
		6.0 mm	13.0 mm	RC style 60	
		2.0 mm	9.0 mm	RC style 6R	



Interchangeable Connector Inserts

usable for Cable/Panel Connectors (PCB panel only)

16 positions male, clockwise numbering
 Contact diameter 16 x 1.0 mm
 Solder connections up to AWG17
 Crimp connections up to AWG17
 Screw connections N/A
 Coding possibilities X, Y, N (N = standard)
 Nominal current (25°C) 8A
 Nominal voltage 150 Volt



[View to outside \(connecting side\)](#)

Here are the 7 digits to integrate into your connector part number.



solder cups	crimp 8A w/o contacts	PCB contacts	crimp RA w/o contacts	Here are the 7 digits to integrate into your connector part number.						
Solder cups	Coding "N or X or Y"	"N" code is standard		1	6	P	1	N	1	2
Crimp insert	Coding "N or X or Y"	contacts see page B-C-05		1	6	P	1	N	8	A
Crimp insert	Coding "N or X or Y"	contacts see page B-C-05		1	6	P	1	N	R	A
PCB contacts	Coding "N or X or Y"	"N" code is standard		1	6	P	1	N	2	2
PCB contacts	Coding "N or X or Y"	"N" code is standard		1	6	P	1	N	3	2
PCB contacts	Coding "N or X or Y"	"N" code is standard		1	6	P	1	N	A	2
PCB contacts	Coding "N or X or Y"	"N" code is standard		1	6	P	1	N	C	2

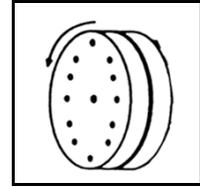
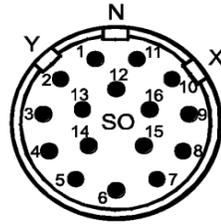
Free solder pin length for PCB contacts used with the following panel connectors.....

16P1(N)22	16P1(N)32	16P1(N)A2	16P1(N)C2	Dip solder pin Ø 16x0.6 / 16x1.0 / 16x1.2 / 16x1.2 mm	
3.5 mm	4.5 mm	10.0 mm	17.5 mm	RC style 2	
3.5 mm	4.5 mm	10.0 mm	17.5 mm	RC style 4/5	
2.5 mm	3.5 mm	9.0 mm	16.5 mm	TU style 4/5	
		10.0 mm	17.5 mm	RC style W	
		9.0 mm	16.5 mm	TU style WB	
		3.5 mm	11.0 mm	RC style H/E	
		6.0 mm	13.0 mm	RC style 60	
		2.0 mm	9.0 mm	RC style 6R	

Interchangeable Connector Inserts

usable for Cable/Panel Connectors (PCB panel only)

16 positions female, counter clockwise numbering
 Contact diameter 16 x 1.0 mm
 Solder connections up to AWG17
 Crimp connections up to AWG17
 Screw connections N/A
 Coding possibilities X, Y, N (N = standard)
 Nominal current (25°C) 8A
 Nominal voltage 150 Volt



View to outside (connecting side)

Here are the 7 digits to integrate into your connector part number.



solder cups	crimp 8A w/o contacts	PCB contacts	crimp RA w/o contacts							
Solder cups	Coding "N or X or Y"	"N" code is standard		1	6	S	1	N	1	2
Crimp insert	Coding "N or X or Y"	contacts see page B-C-06		1	6	S	1	N	8	A
Crimp insert	Coding "N or X or Y"	contacts see page B-C-06		1	6	S	1	N	R	A
PCB contacts	Coding "N or X or Y"	"N" code is standard		1	6	S	1	N	2	2
PCB contacts	Coding "N or X or Y"	"N" code is standard		1	6	S	1	N	3	2
PCB contacts	Coding "N or X or Y"	"N" code is standard		1	6	S	1	N	A	2
PCB contacts	Coding "N or X or Y"	"N" code is standard		1	6	S	1	N	C	2

Free solder pin length for PCB contacts used with the following panel connectors.....

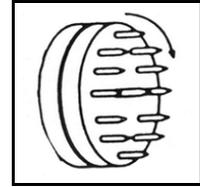
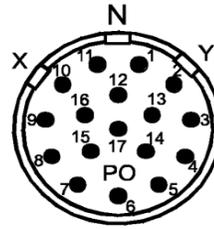
16S1(N)22	16S1(N)32	16S1(N)A2	16S1(N)C2	Dip solder pin Ø 16x0.6 / 16x1.0 / 16x1.2 / 16x1.2 mm
3.5 mm	4.5 mm	10.0 mm	17.5 mm	RC style 2 
3.5 mm	4.5 mm	10.0 mm	17.5 mm	RC style 4/5 
2.5 mm	3.5 mm	9.0 mm	16.5 mm	TU style 4/5 
		10.0 mm	17.5 mm	RC style W 
		9.0 mm	16.5 mm	TU style WB 
		3.5 mm	11.0 mm	RC style H/E 
		6.0 mm	13.0 mm	RC style 60 
		2.0 mm	9.0 mm	RC style 6R 



Interchangeable Connector Inserts

usable for Cable/Panel Connectors (PCB panel only)

17 positions male, clockwise numbering
 Contact diameter 17 x 1.0 mm
 Solder connections up to AWG17
 Crimp connections up to AWG17
 Screw connections N/A
 Coding possibilities X, Y, N (N = standard)
 Nominal current (25°C) 8A
 Nominal voltage 150 Volt



View to outside (connecting side)

Here are the 7 digits to integrate into your connector part number.

solder cups	crimp 8A w/o contacts	PCB contacts	crimp RA w/o contacts							
Solder cups	Coding "N or X or Y"	"N" code is standard		1	7	P	1	N	1	2
Crimp insert	Coding "N or X or Y"	contacts see page B-C-07		1	7	P	1	N	8	A
Crimp insert	Coding "N"	discontinued model								
PCB contacts	Coding "N or X or Y"	"N" code is standard		1	7	P	1	N	2	2
PCB contacts	Coding "N or X or Y"	"N" code is standard		1	7	P	1	N	3	2
PCB contacts	Coding "N or X or Y"	"N" code is standard		1	7	P	1	N	A	2
PCB contacts	Coding "N or X or Y"	"N" code is standard		1	7	P	1	N	C	2

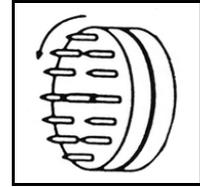
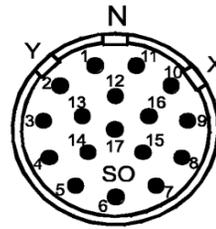
Free solder pin length for PCB contacts used with the following panel connectors.....

17P1(N)22	17P1(N)32	17P1(N)A2	17P1(N)C2	Dip solder pin Ø 17x0.6 / 17x1.0 / 17x1.2 / 17x1.2 mm	
3.5 mm	4.5 mm	10.0 mm	17.5 mm	RC style 2	
3.5 mm	4.5 mm	10.0 mm	17.5 mm	RC style 4/5	
2.5 mm	3.5 mm	9.0 mm	16.5 mm	TU style 4/5	
		10.0 mm	17.5 mm	RC style W	
		9.0 mm	16.5 mm	TU style WB	
		3.5 mm	11.0 mm	RC style H/E	
		6.0 mm	13.0 mm	RC style 60	
		2.0 mm	9.0 mm	RC style 6R	



Interchangeable Connector Inserts
 usable for Cable/Panel Connectors (PCB panel only)

17 positions male, counter clockwise numbering
 Contact diameter 17 x 1.0 mm
 Solder connections up to AWG17
 Crimp connections up to AWG17
 Screw connections N/A
 Coding possibilities X, Y, N (N = standard)
 Nominal current (25°C) 8A
 Nominal voltage 150 Volt



View to outside (connecting side)

Here are the 7 digits to integrate into your connector part number.

solder cups	crimp 8A w/o contacts	PCB contacts	crimp RA w/o contacts									
Solder cups	Coding "N or X or Y"	"N" code is standard		1	7	P	2	N	1	2		
Crimp insert												
Crimp insert	Coding "N"	discontinued model										
PCB contacts	Coding "N or X or Y"	"N" code is standard		1	7	P	2	N	2	2		
PCB contacts	Coding "N or X or Y"	"N" code is standard		1	7	P	2	N	3	2		
PCB contacts	Coding "N or X or Y"	"N" code is standard		1	7	P	2	N	A	2		
PCB contacts	Coding "N or X or Y"	"N" code is standard		1	7	P	2	N	C	2		

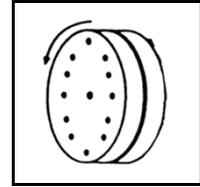
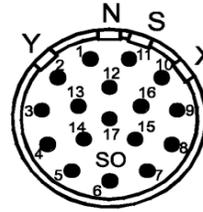
Free solder pin length for PCB contacts used with the following panel connectors.....

17P2(N)22	17P2(N)32	17P2(N)A2	17P2(N)C2	Dip solder pin Ø 17x0.6 / 17x1.0 / 17x1.2 / 17x1.2 mm	
3.5 mm	4.5 mm	10.0 mm	17.5 mm	RC style 2	
3.5 mm	4.5 mm	10.0 mm	17.5 mm	RC style 4/5	
2.5 mm	3.5 mm	9.0 mm	16.5 mm	TU style 4/5	
		10.0 mm	17.5 mm	RC style W	
		9.0 mm	16.5 mm	TU style WB	
		3.5 mm	11.0 mm	RC style H/E	
		6.0 mm	13.0 mm	RC style 60	
		2.0 mm	9.0 mm	RC style 6R	

Interchangeable Connector Inserts

usable for Cable/Panel Connectors (PCB panel only)

17 positions female, counter clockwise numbering
 Contact diameter 17 x 1.0 mm
 Solder connections up to AWG17
 Crimp connections up to AWG17
 Screw connections N/A
 Coding possibilities X, Y, N, S (N = standard)
 Nominal current (25°C) 8A
 Nominal voltage 150 Volt



[View to outside \(connecting side\)](#)

solder cups	crimp 8A w/o contacts	PCB contacts	crimp RA w/o contacts	Here are the 7 digits to integrate into your connector part number.
				

Solder cups	Coding "N or X or Y"	"N" code is standard	1	7	S	1	N	1	2
Crimp insert	Coding "N/X/S/Y"	contacts see page B-C-08	1	7	S	1	N	8	A
Crimp insert	Coding "N"	discontinued model							
PCB contacts	Coding "N or X or Y"	"N" code is standard	1	7	S	1	N	2	2
PCB contacts	Coding "N or X or Y"	"N" code is standard	1	7	S	1	N	3	2
PCB contacts	Coding "N or X or Y"	"N" code is standard	1	7	S	1	N	A	2
PCB contacts	Coding "N or X or Y"	"N" code is standard	1	7	S	1	N	C	2

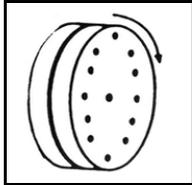
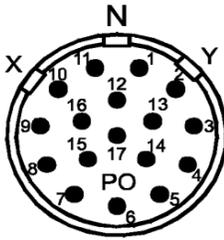
Free solder pin length for PCB contacts used with the following panel connectors.....

17S1(N)22	17S1(N)32	17S1(N)A2	17S1(N)C2	Dip solder pin Ø 17x0.6 / 17x1.0 / 17x1.2 / 17x1.2 mm
3.5 mm	4.5 mm	10.0 mm	17.5 mm	RC style 2 
3.5 mm	4.5 mm	10.0 mm	17.5 mm	RC style 4/5 
2.5 mm	3.5 mm	9.0 mm	16.5 mm	TU style 4/5 
		10.0 mm	17.5 mm	RC style W 
		9.0 mm	16.5 mm	TU style WB 
		3.5 mm	11.0 mm	RC style H/E 
		6.0 mm	13.0 mm	RC style 60 
		2.0 mm	9.0 mm	RC style 6R 



Interchangeable Connector Inserts
 usable for Cable/Panel Connectors (PCB panel only)

17 positions female, clockwise numbering
 Contact diameter 17 x 1.0 mm
 Solder connections up to AWG17
 Crimp connections up to AWG17
 Screw connections N/A
 Coding possibilities X, Y, N, S (N = standard)
 Nominal current (25°C) 8A
 Nominal voltage 150 Volt



View to outside (connecting side)

solder cups	crimp 8A w/o contacts	PCB contacts	crimp RA w/o contacts	Here are the 7 digits to integrate into your connector part number.						
				1	7	S	2	N	1	2
Solder cups	Coding "N or X or Y"	"N" code is standard								
Crimp insert										
Crimp insert	Coding "N"	discontinued model								
PCB contacts	Coding "N or X or Y"	"N" code is standard		1	7	S	2	N	2	2
PCB contacts	Coding "N or X or Y"	"N" code is standard		1	7	S	2	N	3	2
PCB contacts	Coding "N or X or Y"	"N" code is standard		1	7	S	2	N	A	2
PCB contacts	Coding "N or X or Y"	"N" code is standard		1	7	S	2	N	C	2

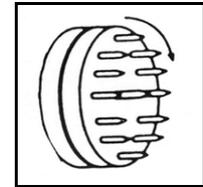
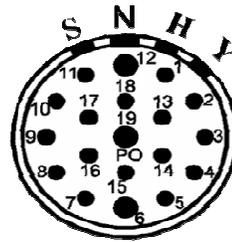
Free solder pin length for PCB contacts used with the following panel connectors.....

17S2(N)22	17S2(N)32	17S2(N)A2	17S2(N)C2	Dip solder pin Ø 17x0.6 / 17x1.0 / 17x1.2 / 17x1.2 mm
3.5 mm	4.5 mm	10.0 mm	17.5 mm	RC style 2
3.5 mm	4.5 mm	10.0 mm	17.5 mm	RC style 4/5
2.5 mm	3.5 mm	9.0 mm	16.5 mm	TU style 4/5
		10.0 mm	17.5 mm	RC style W
		9.0 mm	16.5 mm	TU style WB
		3.5 mm	11.0 mm	RC style H/E
		6.0 mm	13.0 mm	RC style 60
		2.0 mm	9.0 mm	RC style 6R



Interchangeable Connector Inserts
 usable for Cable/Panel Connectors (PCB panel only)

19 positions male, clockwise numbering w/o PE
 Contact diameter 16 x 1.0 mm, 3 x 1.5 mm
 Solder connections up to AWG17
 Crimp connections N/A
 Screw connections N/A
 Coding possibilities S,N,H,Y (N = standard)
 Nominal current (25°C) 8/10A
 Nominal voltage 150 Volt



View to outside (connecting side)

solder cups PCB pins
 Here are the 7 digits to integrate into your connector part number.



Solder cups	Coding "N,S,H,Y"	"N" code is standard	1	9	P	1	N	1	2
PCB contacts	Coding "N,S,H,Y"	"N" code is standard	1	9	P	1	N	2	2
PCB contacts	Coding "N,S,H,Y"	"N" code is standard	1	9	P	1	N	T	2
PCB contacts	Coding "N,S,H,Y"	"N" code is standard	1	9	P	1	N	X	2

Free solder pin length for PCB contacts used with the following panel connectors.....

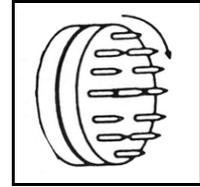
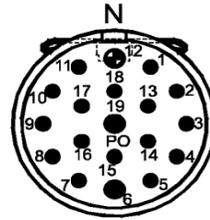
19P1N22	19P1N22	19P1N22		Dip solder pin Ø 16x0.6+3x1.5mm - 19x0.8 mm - 19x1.2 mm
3.5 mm	10.0 mm	14.3 mm		RC style 2 
3.5 mm	10.0 mm	14.3 mm		RC style 4/5 
2.5 mm	9.0 mm	13.3 mm		TU style 4/5 
	10.0 mm	14.3 mm		RC style W 
	9.0 mm	13.3 mm		TU style WB 
	3.5 mm	7.8 mm		RC style H/E 
	6.0 mm	10.3 mm		RC style 60 
	2.0 mm	6.3 mm		RC style 6R 

Interchangeable Connector Inserts

usable for Cable/Panel Connectors (PCB panel only)

19 positions male, clockwise numbering with PE

Contact diameter 16 x 1.0 mm, 3 x 1.5 mm
 Solder connections up to AWG17
 Crimp connections up to AWG17
 Screw connections N/A
 Coding possibilities only "N" coding
 Nominal current (25°C) 8/10A
 Nominal voltage 150 Volt



View to outside (connecting side)

solder cups	PCB pins	Crimp w/o contacts	Here are the 7 digits to integrate into your connector part number.						
-------------	----------	--------------------	---	--	--	--	--	--	--



Solder cups	Coding "N"	"N" code is standard	1	R	P	1	N	1	2
Crimp insert	Coding "N"	contacts see page B-C-09	1	R	P	1	N	R	A
PCB contacts	Coding "N"	"N" code is standard	1	R	P	1	N	2	2
PCB contacts	Coding "N"	"N" code is standard	1	R	P	1	N	T	2
PCB contacts	Coding "N"	"N" code is standard	1	R	P	1	N	X	2

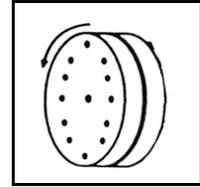
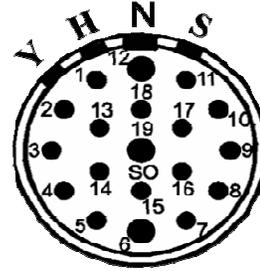
Free solder pin length for PCB contacts used with the following panel connectors.....

1RP1N22	1RP1NT2	1RP1NX2		Dip solder pin Ø 16x0.6+3x1.5 - 16x0.8+3x1.5 - 19x0.6 mm
3.5 mm	10.0 mm	14.3 mm		RC style 2 
3.5 mm	10.0 mm	14.3 mm		RC style 4/5 
2.5 mm	9.0 mm	13.3 mm		TU style 4/5 
	10.0 mm	14.3 mm		RC style W 
	9.0 mm	13.3 mm		TU style WB 
	3.5 mm	7.8 mm		RC style H/E 
	6.0 mm	10.3 mm		RC style 60 
	2.0 mm	6.3 mm		RC style 6R 

Interchangeable Connector Inserts

usable for Cable/Panel Connectors (PCB panel only)

19 positions female, counter clockwise w/o PE
 Contact diameter 16 x 1.0 mm, 3 x 1.5 mm
 Solder connections up to AWG17
 Crimp connections N/A
 Screw connections N/A
 Coding possibilities S,N,H,Y (N = standard)
 Nominal current (25°C) 8/10A
 Nominal voltage 150 Volt



View to outside (connecting side)

solder cups PCB pins
 Here are the 7 digits to integrate into your connector part number.



Solder cups	Coding "N,S,H,Y"	"N" code is standard	1	9	S	1	N	1	2
PCB contacts	Coding "N,S,H,Y"	"N" code is standard	1	9	S	1	N	P	2

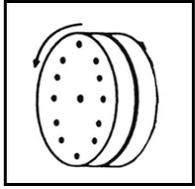
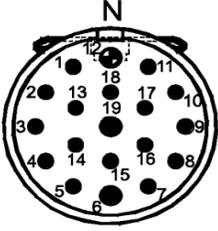
Free solder pin length for PCB contacts used with the following panel connectors.....

	19S1NP2			Dip solder pin Ø 16 x 0.8 + 3 x 1.5 mm
	10.0 mm			RC style 2
	10.0 mm			RC style 4/5
	9.0 mm			TU style 4/5
	10.0 mm			RC style W
	9.0 mm			TU style WB
	3.5 mm			RC style H/E
	6.0 mm			RC style 60
	2.0 mm			RC style 6R



Interchangeable Connector Inserts
usable for Cable/Panel Connectors (PCB panel only)

19 positions female, counter clockwise with PE
 Contact diameter 16 x 1.0 mm, 3 x 1.5 mm
 Solder connections up to AWG17
 Crimp connections up to AWG17
 Screw connections N/A
 Coding possibilities only "N" coding
 Nominal current (25°C) 8/10A
 Nominal voltage 150 Volt



View to outside (connecting side)

solder cups	PCB pins	crimp w/o contacts	Here are the 7 digits to integrate into your connector part number.							
Solder cups	Coding "N"	"N" code is standard								
Crimp insert	Coding "N"	contacts see page B-C-09	1	R	S	1	N	R	A	
PCB contacts	Coding "N"	"N" code is standard	1	R	S	1	N	P	2	

Free solder pin length for PCB contacts used with the following panel connectors.....

	1RS1NP2			Dip solder pin Ø 16 x 0.8 + 3 x 1.5 mm
	10.0 mm			RC style 2
	10.0 mm			RC style 4/5
	9.0 mm			TU style 4/5
	10.0 mm			RC style W
	9.0 mm			TU style WB
	3.5 mm			RC style H/E
	6.0 mm			RC style 60
	2.0 mm			RC style 6R

Connector Inserts (interchangeable within the series)
SERIES HC, ST, RF



Examples how to integrate the Insert into your Connector P/N.

All Connector pages with the SERIES HC uses this P/N definition.

Part Number	HC-	X	X	X	X	X	X	X	.....	page B-A-41...
Please fill in the first 7 digits of your desired connector insert (26/28 positions)											
		△	△	△	△	△	△	△		<u>for example:</u>	
		2	6	P	1	N	1	2		26 position male, solder	
											please fill in this part number

All Connector pages with the SERIES ST uses this P/N definition.

Part Number	ST-	X	X	X	X	X	X	X	.....	page B-A-50...
Please fill in the first 7 digits of your desired connector insert (4-17 positions)											
		△	△	△	△	△	△	△		<u>for example:</u>	
		3	E	P	1	N	8	A		4 (3+PE) pos. male, crimp version	
											please fill in this part number

All Connector pages with the SERIES RF uses this P/N definition.

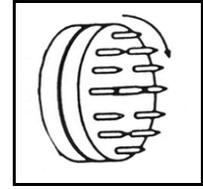
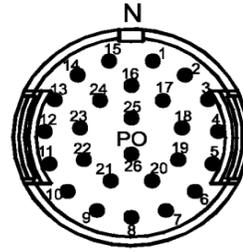
Part Number	RF-	X	X	X	X	X	X	X	.....	page B-A-58...
Please fill in the first 7 digits of your desired connector insert (12-17 positions)											
		△	△	△	△	△	△	△		<u>for example:</u>	
		1	2	P	2	N	8	A		12 position male, crimp version	
											please fill in this part number



Interchangeable Connector Inserts

usable for Cable/Panel Connectors (PCB panel only)

26 positions male, clockwise numbering
 Contact diameter 26 x 1.0 mm
 Solder connections up to AWG17
 Crimp connections up to AWG17
 Screw connections N/A
 Coding possibilities N only
 Nominal current (25°C) 8A
 Nominal voltage 150 Volt



View to outside (connecting side)

solder cups	crimp w/o contacts	PCB contacts
-------------	--------------------	--------------

Here are the 7 digits to integrate into your connector part number.



Option	Coding "N"	"N" code is standard	2	6	P	1	N	1	2
Solder cups	Coding "N"	"N" code is standard	2	6	P	1	N	1	2
Crimp insert	Coding "N"	contacts see page B-C-10	2	6	P	1	N	R	A
PCB contacts	Coding "N"	"N" code is standard	2	6	P	1	N	2	2
PCB contacts	Coding "N"	"N" code is standard	2	6	P	1	N	3	2
PCB contacts	Coding "N"	"N" code is standard	2	6	P	1	N	T	2
PCB contacts	Coding "N"	"N" code is standard	2	6	P	1	N	X	2

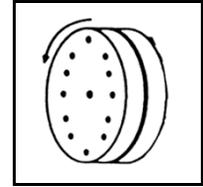
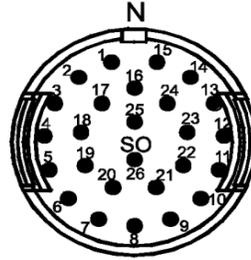
Free solder pin length for PCB contacts used with the following panel connectors.....

26P1N22	26P1N32	26P1NT2	26P1NX2	Dip solder pin Ø 0.6 mm - 1.0 mm - 0.8 mm - 0.6 mm	
3.5 mm	4.5 mm	10.0 mm	12.1 mm	HC style 2	
3.5 mm	4.5 mm	10.0 mm	12.1 mm	HC style 4/5	
3.5 mm	4.5 mm	10.0 mm	12.1 mm	HC style W	
		6.2 mm	8.3 mm	HC style 60	
		2.2 mm	4.3 mm	HC style 6L	

Interchangeable Connector Inserts
usable for Cable/Panel Connectors (PCB panel only)



26 positions female, counter clockwise numbering
 Contact diameter 26 x 1.0 mm
 Solder connections up to AWG17
 Crimp connections up to AWG17
 Screw connections N/A
 Coding possibilities N only
 Nominal current (25°C) 8A
 Nominal voltage 150 Volt



View to outside (connecting side)

solder cups	crimp w/o contacts	PCB contacts
-------------	--------------------	--------------

Here are the 7 digits to integrate into your connector part number.



Configuration	Coding "N"	"N" code is standard	2	6	S	1	N	1	2
Solder cups	Coding "N"	"N" code is standard	2	6	S	1	N	1	2
Crimp insert	Coding "N"	contacts see page B-C-10	2	6	S	1	N	R	A
PCB contacts	Coding "N"	"N" code is standard	2	6	S	1	N	2	2
PCB contacts	Coding "N"	"N" code is standard	2	6	S	1	N	3	2
PCB contacts									
PCB contacts									

Free solder pin length for PCB contacts used with the following panel connectors.....

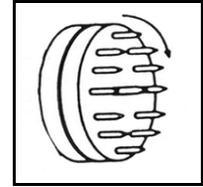
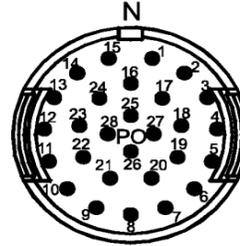
26S1N22	26S1N32			Dip solder pin Ø 0.6 mm - 1.0 mm		
3.5 mm	4.5 mm	N/A	N/A	HC	style 2	
3.5 mm	4.5 mm	N/A	N/A	HC	style 4/5	
3.5 mm	4.5 mm	N/A	N/A	HC	style W	
		N/A	N/A	HC	style 60	
		N/A	N/A	HC	style 6L	

Interchangeable Connector Inserts

usable for Cable/Panel Connectors (PCB panel only)



28 positions male, clockwise numbering
 Contact diameter 28 x 1.0 mm
 Solder connections up to AWG17
 Crimp connections N/A
 Screw connections N/A
 Coding possibilities N only
 Nominal current (25°C) 8A
 Nominal voltage 150 Volt



View to outside (connecting side)

solder cups	crimp w/o contacts	PCB contacts
-------------	--------------------	--------------

Here are the 7 digits to integrate into your connector part number.



Solder cups	Coding "N"	"N" code is standard	2	8	P	1	N	1	2
Crimp insert									
PCB contacts	Coding "N"	"N" code is standard	2	8	P	1	N	2	2
PCB contacts	Coding "N"	"N" code is standard	2	8	P	1	N	3	2
PCB contacts	Coding "N"	"N" code is standard	2	8	P	1	N	T	2
PCB contacts	Coding "N"	"N" code is standard	2	8	P	1	N	X	2

Free solder pin length for PCB contacts used with the following panel connectors.....

28P1N22	28P1N32	28P1NT2	28P1NX2	Dip solder pin Ø 0.6 mm - 1.0 mm - 0.8 mm - 0.6 mm
---------	---------	---------	---------	--

3.5 mm	4.5 mm	10.0 mm	12.1 mm	HC style 2
3.5 mm	4.5 mm	10.0 mm	12.1 mm	HC style 4/5
3.5 mm	4.5 mm	10.0 mm	12.1 mm	HC style W
		6.2 mm	8.3 mm	HC style 60
		2.2 mm	4.3 mm	HC style 6L

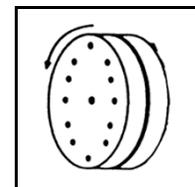
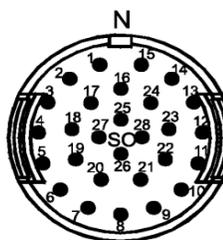




Interchangeable Connector Inserts

usable for Cable/Panel Connectors (PCB panel only)

28 positions female, counter clockwise numbering
 Contact diameter 28 x 1.0 mm
 Solder connections up to AWG17
 Crimp connections N/A
 Screw connections N/A
 Coding possibilities N only
 Nominal current (25°C) 8A
 Nominal voltage 150 Volt



View to outside (connecting side)

solder cups	crimp w/o contacts	PCB contacts
-------------	--------------------	--------------

Here are the 7 digits to integrate into your connector part number.

Solder cups	Coding "N"	"N" code is standard								
Crimp insert										
PCB contacts										
PCB contacts										
PCB contacts										
PCB contacts										

2	8	S	1	N	1	2

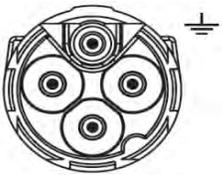
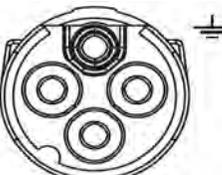
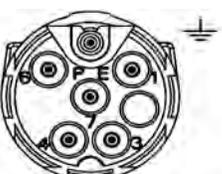
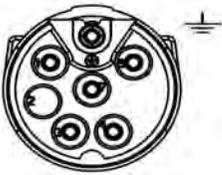
Free solder pin length for PCB contacts used with the following panel connectors.....

N/A	N/A	N/A	N/A	HC	style 2
N/A	N/A	N/A	N/A	HC	style 4/5
N/A	N/A	N/A	N/A	HC	style W
		N/A	N/A	HC	style 60
		N/A	N/A	HC	style 6L



Interchangeable Connector Inserts

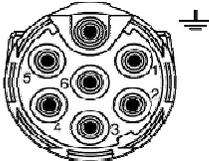
usable for Cable Connectors with thread or coupling

<p>4 (3+PE) positions male connector insert</p> <p>Contact diameter 2 mm Crimp connections AWG 24-14 Nominal current (25°C) 20A Nominal voltage 630 Volt</p>  <p>View to outside (connecting side)</p>	<p>Here are the 7 digits to integrate into your connector part number.</p> <table border="1"> <tr> <td>ST-</td> <td>3</td> <td>E</td> <td>P</td> <td>1</td> <td>N</td> <td>8</td> <td>A</td> </tr> </table> <p>crimp contacts see page B-C-20...</p>	ST-	3	E	P	1	N	8	A
ST-	3	E	P	1	N	8	A		
<p>4 (3+PE) positions female connector insert</p> <p>Contact diameter 2 mm Crimp connections AWG 24-14 Nominal current (25°C) 20A Nominal voltage 630 Volt</p>  <p>View to outside (connecting side)</p>	<p>Here are the 7 digits to integrate into your connector part number.</p> <table border="1"> <tr> <td>ST-</td> <td>3</td> <td>E</td> <td>S</td> <td>1</td> <td>N</td> <td>8</td> <td>A</td> </tr> </table> <p>crimp contacts see page B-C-20...</p>	ST-	3	E	S	1	N	8	A
ST-	3	E	S	1	N	8	A		
<p>6 (5+PE) positions male connector insert</p> <p>Contact diameter 1 mm Crimp connections AWG 28-17 Nominal current (25°C) 14A Nominal voltage 630 Volt</p>  <p>View to outside (connecting side)</p>	<p>Here are the 7 digits to integrate into your connector part number.</p> <table border="1"> <tr> <td>ST-</td> <td>5</td> <td>E</td> <td>P</td> <td>1</td> <td>N</td> <td>8</td> <td>A</td> </tr> </table> <p>crimp contacts see page B-C-20...</p>	ST-	5	E	P	1	N	8	A
ST-	5	E	P	1	N	8	A		
<p>6 (5+PE) positions female connector insert</p> <p>Contact diameter 1 mm Crimp connections AWG 28-17 Nominal current (25°C) 14A Nominal voltage 630 Volt</p>  <p>View to outside (connecting side)</p>	<p>Here are the 7 digits to integrate into your connector part number.</p> <table border="1"> <tr> <td>ST-</td> <td>5</td> <td>E</td> <td>S</td> <td>1</td> <td>N</td> <td>8</td> <td>A</td> </tr> </table> <p>crimp contacts see page B-C-20...</p>	ST-	5	E	S	1	N	8	A
ST-	5	E	S	1	N	8	A		

Interchangeable Connector Inserts
usable for Cable Connectors with thread or coupling

7 (6+PE) positions male connector insert

Contact diameter 1 mm
 Crimp connections AWG 28-17
 Nominal current (25°C) 14A
 Nominal voltage 630 Volt



View to outside (connecting side)

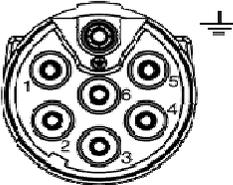
Here are the 7 digits to integrate into your connector part number.

ST-	6	E	P	1	N	8	A
-----	---	---	---	---	---	---	---

crimp contacts see page B-C-20...

7 (6+PE) positions female connector insert

Contact diameter 1 mm
 Crimp connections AWG 28-17
 Nominal current (25°C) 14A
 Nominal voltage 630 Volt



View to outside (connecting side)

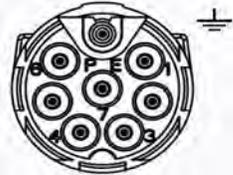
Here are the 7 digits to integrate into your connector part number.

ST-	6	E	S	1	N	8	A
-----	---	---	---	---	---	---	---

crimp contacts see page B-C-20...

8 (7+PE) positions male connector insert

Contact diameter 1 mm
 Crimp connections AWG 28-17
 Nominal current (25°C) 14A
 Nominal voltage 630 Volt



View to outside (connecting side)

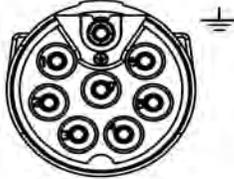
Here are the 7 digits to integrate into your connector part number.

ST-	7	E	P	1	N	8	A
-----	---	---	---	---	---	---	---

crimp contacts see page B-C-20...

8 (7+PE) positions female connector insert

Contact diameter 1 mm
 Crimp connections AWG 28-17
 Nominal current (25°C) 14A
 Nominal voltage 630 Volt



View to outside (connecting side)

Here are the 7 digits to integrate into your connector part number.

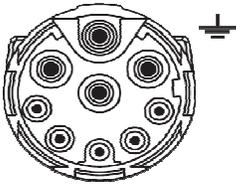
ST-	7	E	S	1	N	8	A
-----	---	---	---	---	---	---	---

crimp contacts see page B-C-20...

Interchangeable Connector Inserts
usable for Cable Connectors with thread or coupling

9 positions male connector insert

In preparation



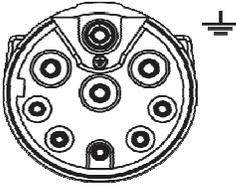
View to outside (connecting side)

Here are the 7 digits to integrate into your connector part number.

ST-							
-----	--	--	--	--	--	--	--

9 positions female connector insert

In preparation



View to outside (connecting side)

Here are the 7 digits to integrate into your connector part number.

ST-							
-----	--	--	--	--	--	--	--

12 positions male connector insert

In preparation



View to outside (connecting side)

Here are the 7 digits to integrate into your connector part number.

ST-							
-----	--	--	--	--	--	--	--

12 positions female connector insert

In preparation



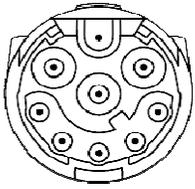
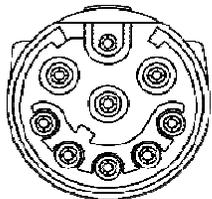
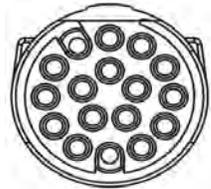
View to outside (connecting side)

Here are the 7 digits to integrate into your connector part number.

ST-							
-----	--	--	--	--	--	--	--

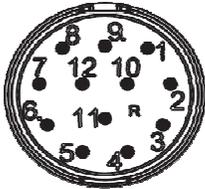
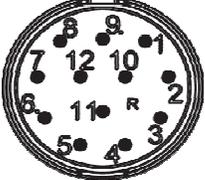
Interchangeable Connector Inserts

usable for Cable Connectors with thread or coupling

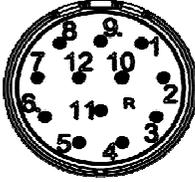
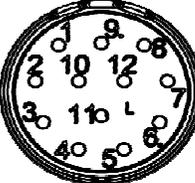
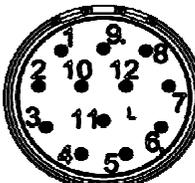
08 positions male connector insert	 <p style="text-align: center; color: blue;">View to outside (connecting side)</p>	Here are the 7 digits to integrate into your connector part number.								
Contact diameter 1.0 mm Crimp connections AWG 28-17 Nominal current (25°C) 3.6A Nominal voltage 60 Volt		<table border="1" style="width: 100%; text-align: center;"> <tr> <td style="width: 15%;">ST-</td> <td style="width: 5%;">0</td> <td style="width: 5%;">8</td> <td style="width: 5%;">P</td> <td style="width: 5%;">1</td> <td style="width: 5%;">N</td> <td style="width: 5%;">8</td> <td style="width: 5%;">A</td> </tr> </table>	ST-	0	8	P	1	N	8	A
ST-		0	8	P	1	N	8	A		
	crimp contacts see page B-C-20...									
08 positions female connector insert	 <p style="text-align: center; color: blue;">View to outside (connecting side)</p>	Here are the 7 digits to integrate into your connector part number.								
Contact diameter 1.0 mm Crimp connections AWG 28-17 Nominal current (25°C) 3.6A Nominal voltage 60 Volt		<table border="1" style="width: 100%; text-align: center;"> <tr> <td style="width: 15%;">ST-</td> <td style="width: 5%;">0</td> <td style="width: 5%;">8</td> <td style="width: 5%;">S</td> <td style="width: 5%;">1</td> <td style="width: 5%;">N</td> <td style="width: 5%;">8</td> <td style="width: 5%;">A</td> </tr> </table>	ST-	0	8	S	1	N	8	A
ST-		0	8	S	1	N	8	A		
	crimp contacts see page B-C-20...									
17 positions male connector insert	 <p style="text-align: center; color: blue;">View to outside (connecting side)</p>	Here are the 7 digits to integrate into your connector part number.								
Contact diameter 0.6 mm Crimp connections AWG 28-20 Nominal current (25°C) 3.6A Nominal voltage 60 Volt		<table border="1" style="width: 100%; text-align: center;"> <tr> <td style="width: 15%;">ST-</td> <td style="width: 5%;">1</td> <td style="width: 5%;">7</td> <td style="width: 5%;">P</td> <td style="width: 5%;">1</td> <td style="width: 5%;">N</td> <td style="width: 5%;">8</td> <td style="width: 5%;">A</td> </tr> </table>	ST-	1	7	P	1	N	8	A
ST-		1	7	P	1	N	8	A		
	crimp contacts see page B-C-20...									
17 positions female connector insert	 <p style="text-align: center; color: blue;">View to outside (connecting side)</p>	Here are the 7 digits to integrate into your connector part number.								
Contact diameter 0.6 mm Crimp connections AWG 28-20 Nominal current (25°C) 3.6A Nominal voltage 60 Volt		<table border="1" style="width: 100%; text-align: center;"> <tr> <td style="width: 15%;">ST-</td> <td style="width: 5%;">1</td> <td style="width: 5%;">7</td> <td style="width: 5%;">S</td> <td style="width: 5%;">1</td> <td style="width: 5%;">N</td> <td style="width: 5%;">8</td> <td style="width: 5%;">A</td> </tr> </table>	ST-	1	7	S	1	N	8	A
ST-		1	7	S	1	N	8	A		
	crimp contacts see page B-C-20...									

Interchangeable Connector Inserts

usable for Cable/Panel Connectors

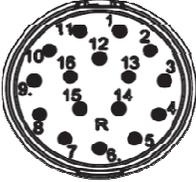
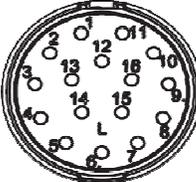
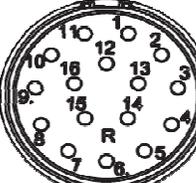
12 positions male insert clockwise numbering		Here are the 7 digits to integrate into your connector part number.								
<table border="1" style="width: 100%; text-align: center;"> <tr> <td style="width: 15%;">RF-</td> <td style="width: 10%;">1</td> <td style="width: 10%;">2</td> <td style="width: 10%;">P</td> <td style="width: 10%;">1</td> <td style="width: 10%;">N</td> <td style="width: 10%;">8</td> <td style="width: 10%;">A</td> </tr> </table>		RF-	1	2	P	1	N	8	A	 <p>crimp contacts see page B-C-30...</p>
RF-		1	2	P	1	N	8	A		
<p>Contact diameter 1 mm Crimp connections AWG 26-17 Crimp with C-HC contacts AWG 26-20 Nominal current (25°C) 8A Nominal voltage 150 Volt</p> <p style="text-align: right; color: blue;">View to outside (connecting side)</p>										
12 positions female insert counter clockwise numbering		Here are the 7 digits to integrate into your connector part number.								
<table border="1" style="width: 100%; text-align: center;"> <tr> <td style="width: 15%;">RF-</td> <td style="width: 10%;">1</td> <td style="width: 10%;">2</td> <td style="width: 10%;">S</td> <td style="width: 10%;">1</td> <td style="width: 10%;">N</td> <td style="width: 10%;">8</td> <td style="width: 10%;">A</td> </tr> </table>		RF-	1	2	S	1	N	8	A	 <p>crimp contacts see page B-C-30...</p>
RF-		1	2	S	1	N	8	A		
<p>Contact diameter 1 mm Crimp connections AWG 26-17 Crimp with C-HC contacts AWG 26-20 Nominal current (25°C) 8A Nominal voltage 150 Volt</p> <p style="text-align: right; color: blue;">View to outside (connecting side)</p>										
12 positions male insert counter clockwise numbering		Here are the 7 digits to integrate into your connector part number.								
<table border="1" style="width: 100%; text-align: center;"> <tr> <td style="width: 15%;">RF-</td> <td style="width: 10%;">1</td> <td style="width: 10%;">2</td> <td style="width: 10%;">P</td> <td style="width: 10%;">2</td> <td style="width: 10%;">N</td> <td style="width: 10%;">8</td> <td style="width: 10%;">A</td> </tr> </table>		RF-	1	2	P	2	N	8	A	 <p>crimp contacts see page B-C-30...</p>
RF-		1	2	P	2	N	8	A		
<p>Contact diameter 1 mm Crimp connections AWG 26-17 Crimp with C-HC contacts AWG 26-20 Nominal current (25°C) 8A Nominal voltage 150 Volt</p> <p style="text-align: right; color: blue;">View to outside (connecting side)</p>										
12 positions female insert clockwise numbering		Here are the 7 digits to integrate into your connector part number.								
<table border="1" style="width: 100%; text-align: center;"> <tr> <td style="width: 15%;">RF-</td> <td style="width: 10%;">1</td> <td style="width: 10%;">2</td> <td style="width: 10%;">S</td> <td style="width: 10%;">2</td> <td style="width: 10%;">N</td> <td style="width: 10%;">8</td> <td style="width: 10%;">A</td> </tr> </table>		RF-	1	2	S	2	N	8	A	 <p>crimp contacts see page B-C-30...</p>
RF-		1	2	S	2	N	8	A		
<p>Contact diameter 1 mm Crimp connections AWG 26-17 Crimp with C-HC contacts AWG 26-20 Nominal current (25°C) 8A Nominal voltage 150 Volt</p> <p style="text-align: right; color: blue;">View to outside (connecting side)</p>										

Interchangeable Connector Inserts usable for Cable/Panel Connectors

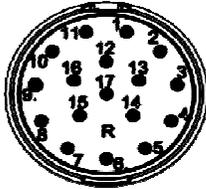
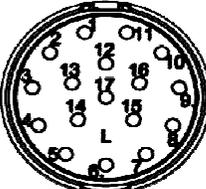
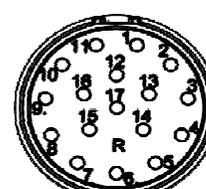
<p>12 positions male insert clockwise numbering</p> <p>Contact diameter 1 mm Crimp connections AWG 26-17 Crimp with C-HC contacts AWG 26-20 Nominal current (25°C) 8A Nominal voltage 150 Volt</p>  <p>View to outside (connecting side)</p>	<p>Here are the 7 digits to integrate into your connector part number.</p> <table border="1"> <tr> <td>RF-</td> <td>1</td> <td>2</td> <td>P</td> <td>1</td> <td>S</td> <td>8</td> <td>A</td> </tr> </table> <p>crimp contacts see page B-C-30...</p> 	RF-	1	2	P	1	S	8	A
RF-	1	2	P	1	S	8	A		
<p>12 positions female insert counter clockwise numbering</p> <p>Contact diameter 1 mm Crimp connections AWG 26-17 Crimp with C-HC contacts AWG 26-20 Nominal current (25°C) 8A Nominal voltage 150 Volt</p>  <p>View to outside (connecting side)</p>	<p>Here are the 7 digits to integrate into your connector part number.</p> <table border="1"> <tr> <td>RF-</td> <td>1</td> <td>2</td> <td>S</td> <td>1</td> <td>S</td> <td>8</td> <td>A</td> </tr> </table> <p>crimp contacts see page B-C-30...</p> 	RF-	1	2	S	1	S	8	A
RF-	1	2	S	1	S	8	A		
<p>12 positions male insert counter clockwise numbering</p> <p>Contact diameter 1 mm Crimp connections AWG 26-17 Crimp with C-HC contacts AWG 26-20 Nominal current (25°C) 8A Nominal voltage 150 Volt</p>  <p>View to outside (connecting side)</p>	<p>Here are the 7 digits to integrate into your connector part number.</p> <table border="1"> <tr> <td>RF-</td> <td>1</td> <td>2</td> <td>P</td> <td>2</td> <td>S</td> <td>8</td> <td>A</td> </tr> </table> <p>crimp contacts see page B-C-30...</p> 	RF-	1	2	P	2	S	8	A
RF-	1	2	P	2	S	8	A		
<p>12 positions female insert clockwise numbering</p> <p>Contact diameter 1 mm Crimp connections AWG 26-17 Crimp with C-HC contacts AWG 26-20 Nominal current (25°C) 8A Nominal voltage 150 Volt</p>  <p>View to outside (connecting side)</p>	<p>Here are the 7 digits to integrate into your connector part number.</p> <table border="1"> <tr> <td>RF-</td> <td>1</td> <td>2</td> <td>S</td> <td>2</td> <td>S</td> <td>8</td> <td>A</td> </tr> </table> <p>crimp contacts see page B-C-30...</p> 	RF-	1	2	S	2	S	8	A
RF-	1	2	S	2	S	8	A		

Interchangeable Connector Inserts

usable for Cable/Panel Connectors

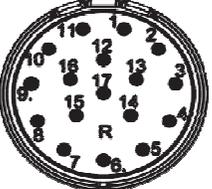
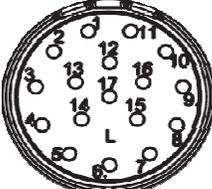
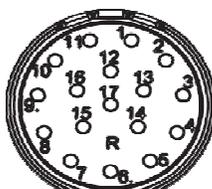
16 positions male insert clockwise numbering	<p>Here are the 7 digits to integrate into your connector part number.</p> <table border="1" style="width: 100%; text-align: center;"> <tr> <td style="width: 15%;">RF-</td> <td style="width: 10%;">1</td> <td style="width: 10%;">6</td> <td style="width: 10%;">P</td> <td style="width: 10%;">1</td> <td style="width: 10%;">N</td> <td style="width: 10%;">8</td> <td style="width: 10%;">A</td> </tr> </table>	RF-	1	6	P	1	N	8	A
RF-		1	6	P	1	N	8	A	
<p>Contact diameter 1 mm Crimp connections AWG 26-17 Crimp with C-HC contacts AWG 26-20 Nominal current (25°C) 8A Nominal voltage 125 Volt</p>  <p style="text-align: center; color: blue;">View to outside (connecting side)</p>		 <p>crimp contacts see page B-C-30...</p>							
16 positions female insert counter clockwise numbering	<p>Here are the 7 digits to integrate into your connector part number.</p> <table border="1" style="width: 100%; text-align: center;"> <tr> <td style="width: 15%;">RF-</td> <td style="width: 10%;">1</td> <td style="width: 10%;">6</td> <td style="width: 10%;">S</td> <td style="width: 10%;">1</td> <td style="width: 10%;">N</td> <td style="width: 10%;">8</td> <td style="width: 10%;">A</td> </tr> </table>	RF-	1	6	S	1	N	8	A
RF-		1	6	S	1	N	8	A	
<p>Contact diameter 1 mm Crimp connections AWG 26-17 Crimp with C-HC contacts AWG 26-20 Nominal current (25°C) 8A Nominal voltage 125 Volt</p>  <p style="text-align: center; color: blue;">View to outside (connecting side)</p>		 <p>crimp contacts see page B-C-30...</p>							
16 positions male insert counter clockwise numbering	<p>Here are the 7 digits to integrate into your connector part number.</p> <table border="1" style="width: 100%; text-align: center;"> <tr> <td style="width: 15%;">RF-</td> <td style="width: 10%;">1</td> <td style="width: 10%;">6</td> <td style="width: 10%;">P</td> <td style="width: 10%;">2</td> <td style="width: 10%;">N</td> <td style="width: 10%;">8</td> <td style="width: 10%;">A</td> </tr> </table>	RF-	1	6	P	2	N	8	A
RF-		1	6	P	2	N	8	A	
<p>Contact diameter 1 mm Crimp connections AWG 26-17 Crimp with C-HC contacts AWG 26-20 Nominal current (25°C) 8A Nominal voltage 125 Volt</p>  <p style="text-align: center; color: blue;">View to outside (connecting side)</p>		 <p>crimp contacts see page B-C-30...</p>							
16 positions female insert clockwise numbering	<p>Here are the 7 digits to integrate into your connector part number.</p> <table border="1" style="width: 100%; text-align: center;"> <tr> <td style="width: 15%;">RF-</td> <td style="width: 10%;">1</td> <td style="width: 10%;">6</td> <td style="width: 10%;">S</td> <td style="width: 10%;">2</td> <td style="width: 10%;">N</td> <td style="width: 10%;">8</td> <td style="width: 10%;">A</td> </tr> </table>	RF-	1	6	S	2	N	8	A
RF-		1	6	S	2	N	8	A	
<p>Contact diameter 1 mm Crimp connections AWG 26-17 Crimp with C-HC contacts AWG 26-20 Nominal current (25°C) 8A Nominal voltage 125 Volt</p>  <p style="text-align: center; color: blue;">View to outside (connecting side)</p>		 <p>crimp contacts see page B-C-30...</p>							

Interchangeable Connector Inserts usable for Cable/Panel Connectors

<p>17 positions male insert clockwise numbering</p> <p>Contact diameter 1 mm Crimp connections AWG 26-17 Crimp with C-HC contacts AWG 26-20 Nominal current (25°C) 8A Nominal voltage 125 Volt</p>  <p>View to outside (connecting side)</p>	<p>Here are the 7 digits to integrate into your connector part number.</p> <table border="1"> <tr> <td>RF-</td> <td>1</td> <td>7</td> <td>P</td> <td>1</td> <td>N</td> <td>8</td> <td>A</td> </tr> </table> <p>crimp contacts see page B-C-30...</p> 	RF-	1	7	P	1	N	8	A
RF-	1	7	P	1	N	8	A		
<p>17 positions female insert counter clockwise numbering</p> <p>Contact diameter 1 mm Crimp connections AWG 26-17 Crimp with C-HC contacts AWG 26-20 Nominal current (25°C) 8A Nominal voltage 125 Volt</p>  <p>View to outside (connecting side)</p>	<p>Here are the 7 digits to integrate into your connector part number.</p> <table border="1"> <tr> <td>RF-</td> <td>1</td> <td>7</td> <td>S</td> <td>1</td> <td>N</td> <td>8</td> <td>A</td> </tr> </table> <p>crimp contacts see page B-C-30...</p> 	RF-	1	7	S	1	N	8	A
RF-	1	7	S	1	N	8	A		
<p>17 positions male insert counter clockwise numbering</p> <p>Contact diameter 1 mm Crimp connections AWG 26-17 Crimp with C-HC contacts AWG 26-20 Nominal current (25°C) 8A Nominal voltage 125 Volt</p>  <p>View to outside (connecting side)</p>	<p>Here are the 7 digits to integrate into your connector part number.</p> <table border="1"> <tr> <td>RF-</td> <td>1</td> <td>7</td> <td>P</td> <td>2</td> <td>N</td> <td>8</td> <td>A</td> </tr> </table> <p>crimp contacts see page B-C-30...</p> 	RF-	1	7	P	2	N	8	A
RF-	1	7	P	2	N	8	A		
<p>17 positions female insert clockwise numbering</p> <p>Contact diameter 1 mm Crimp connections AWG 26-17 Crimp with C-HC contacts AWG 26-20 Nominal current (25°C) 8A Nominal voltage 125 Volt</p>  <p>View to outside (connecting side)</p>	<p>Here are the 7 digits to integrate into your connector part number.</p> <table border="1"> <tr> <td>RF-</td> <td>1</td> <td>7</td> <td>S</td> <td>2</td> <td>N</td> <td>8</td> <td>A</td> </tr> </table> <p>crimp contacts see page B-C-30...</p> 	RF-	1	7	S	2	N	8	A
RF-	1	7	S	2	N	8	A		

Interchangeable Connector Inserts

usable for Cable/Panel Connectors

17 positions male insert clockwise numbering		Here are the 7 digits to integrate into your connector part number.								
Contact diameter 1 mm Crimp connections AWG 26-17 Crimp with C-HC contacts AWG 26-20 Nominal current (25°C) 8A Nominal voltage 125 Volt View to outside (connecting side)		<table border="1" style="margin: auto;"> <tr> <td style="padding: 5px;">RF-</td> <td style="padding: 5px;">1</td> <td style="padding: 5px;">7</td> <td style="padding: 5px;">P</td> <td style="padding: 5px;">1</td> <td style="padding: 5px;">S</td> <td style="padding: 5px;">8</td> <td style="padding: 5px;">A</td> </tr> </table>	RF-	1	7	P	1	S	8	A
RF-		1	7	P	1	S	8	A		
	 crimp contacts see page B-C-30...									
17 positions female insert counter clockwise numbering		Here are the 7 digits to integrate into your connector part number.								
Contact diameter 1 mm Crimp connections AWG 26-17 Crimp with C-HC contacts AWG 26-20 Nominal current (25°C) 8A Nominal voltage 125 Volt View to outside (connecting side)		<table border="1" style="margin: auto;"> <tr> <td style="padding: 5px;">RF-</td> <td style="padding: 5px;">1</td> <td style="padding: 5px;">7</td> <td style="padding: 5px;">S</td> <td style="padding: 5px;">1</td> <td style="padding: 5px;">S</td> <td style="padding: 5px;">8</td> <td style="padding: 5px;">A</td> </tr> </table>	RF-	1	7	S	1	S	8	A
RF-		1	7	S	1	S	8	A		
	 crimp contacts see page B-C-30...									
17 positions male insert counter clockwise numbering		Here are the 7 digits to integrate into your connector part number.								
Contact diameter 1 mm Crimp connections AWG 26-17 Crimp with C-HC contacts AWG 26-20 Nominal current (25°C) 8A Nominal voltage 125 Volt View to outside (connecting side)		<table border="1" style="margin: auto;"> <tr> <td style="padding: 5px;">RF-</td> <td style="padding: 5px;">1</td> <td style="padding: 5px;">7</td> <td style="padding: 5px;">P</td> <td style="padding: 5px;">2</td> <td style="padding: 5px;">S</td> <td style="padding: 5px;">8</td> <td style="padding: 5px;">A</td> </tr> </table>	RF-	1	7	P	2	S	8	A
RF-		1	7	P	2	S	8	A		
	 crimp contacts see page B-C-30...									
17 positions female insert clockwise numbering		Here are the 7 digits to integrate into your connector part number.								
Contact diameter 1 mm Crimp connections AWG 26-17 Crimp with C-HC contacts AWG 26-20 Nominal current (25°C) 8A Nominal voltage 125 Volt View to outside (connecting side)		<table border="1" style="margin: auto;"> <tr> <td style="padding: 5px;">RF-</td> <td style="padding: 5px;">1</td> <td style="padding: 5px;">7</td> <td style="padding: 5px;">S</td> <td style="padding: 5px;">2</td> <td style="padding: 5px;">S</td> <td style="padding: 5px;">8</td> <td style="padding: 5px;">A</td> </tr> </table>	RF-	1	7	S	2	S	8	A
RF-		1	7	S	2	S	8	A		
	 crimp contacts see page B-C-30...									



Member of the Phoenix Contact Group

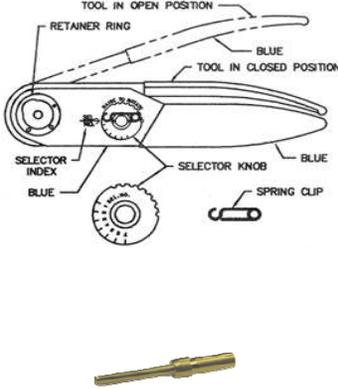
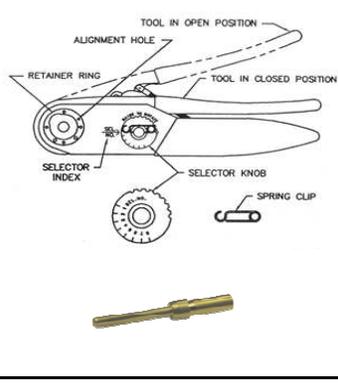
Crimping Tools

Crimping Tools for all Coninvers/Phoenix gold contacts

RC Series
SF Series
SL Series

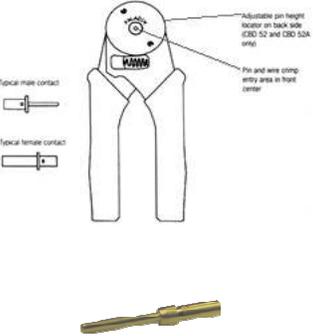
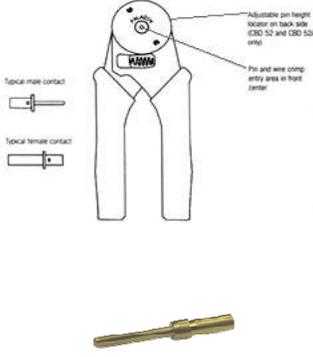
ST Series
SM Series

Crimp Tools for all Coninvers Crimp Contacts

Picture	Details	Description	Part Number
		<p>Setting up the Universal Crimp Tool requires two steps. Set the positioner for the different contact length between 1 and 12. Set the eccentric disc from A-D for crimping strength. This Tool is usable for all the RC, SC and SI contacts. The enclosed brochure explains for each contact and wire which adjustments you have to make.</p>	<p>RC-Z2504 AWG 26-14 machined contacts 1.0 mm Ø 1.5 mm Ø 2.0 mm Ø</p> <p>RC-Z2130 AWG 28-20 stamped contacts 1.0 mm Ø</p>
		<p>This Universal crimp tool with 8 impression crimp is usable for almost all RC, SC, SI and SF contacts. (If necessary we can provide you with positioners and turrets as well.) With precision ratchet that controls cycling of the tool in both directions of handle movement. AWG 12-24</p>	<p>AF 8</p>
		<p>This Universal crimp tool with 8 impression crimp is usable for almost all RC, SC, SI and SF contacts. (If necessary we can provide you with positioners and turrets as well.) With precision ratched that controls cycling of the tool in both directions of handle movement. AWG 6-20</p>	<p>M 309</p>

Crimp Tools for all Coninvers Crimp Contacts



Picture	Details	Description	Part Number
		<p>Economy crimp tools w/o wire guide for closed-barrel contacts. Usable for RC, SC, SI, SF contacts. Ergonomic handles for low-efford operation. 8 indent crimping. Wire gauge AWG 20-12</p>	<p>PA-1443-CA</p>
		<p>Economy crimp tools w/o wire guide for closed-barrel contacts. Usable for RC, SC, SI, SF contacts. Ergonomic handles for low-efford operation. 8 indent crimping. Wire gauge AWG 26-20</p>	<p>PA-1462-CA</p>

Crimp Tools for all Coninvers Crimp Contacts



The new 4-arbor manual crimping pliers with digital display are adapted for crimping machined contacts (\varnothing 0.6 mm / \varnothing 2 mm) of the ST series as well as \varnothing 1 mm contacts of the SF series. All machined contacts of M17 P20 (ST) connectors can now be processed with only one pair of crimping pliers.

The complete tool with locator can be purchased under the designation SF-Z0054. The basic tool is identical to the one for Coninvers RC/ SC/ SI crimp contacts (RC-Z2514). These crimping pliers can be easily retrofitted with a locator, which can be ordered separately.

The table below shows the corresponding order designations.

The new crimping pliers are designed to be ergonomically advantageous, easy to handle and can be operated with little force. Detailed operating instructions are included in the packaging.



New SF-Z0054
4-arbor crimping pliers with digital display for crimping machined contacts (\varnothing 0.6 mm / \varnothing 1 mm / \varnothing 2 mm)

Description	Type
4-arbor manual crimping pliers with digital display incl. locator for machined crimp contacts \varnothing 0.6 mm / \varnothing 2 mm ST series, \varnothing 1.0 mm SF series	SF-Z0054
Separate locator for retrofitting the manual crimping pliers with digital display RC-Z2514	SF-Z0053
4-arbor manual crimping pliers with digital display incl. locator for machined crimp contacts \varnothing 1 mm / \varnothing 1.5 mm / \varnothing 2 mm of the RC/SC/SI series	RC-Z2514



Locator
Can be ordered separately

Crimp Tools for all Coninvers Crimp Contacts



Four-armor manual crimping pliers with digital displays are characterized by their easy handling and operation. Especially outstanding is the exact setting of the crimping depth with a precision of 0.01 mm. High and reproducible crimping qualities can therefore be achieved.

CONINVERS carries crimping pliers in their product range which have digital displays for processing machined contacts for connection cross sections from 0.08 mm² to 10 mm².

These crimping tools are now additionally equipped with wear monitoring. The user can call up the current tool status on the display. If the tool wear has exceeded a defined range, an error message appears. This new function further increases the process reliability.

As listed in the table below, the crimping tools (depending on the model) will be delivered with the new wear monitoring starting in July 2010.

The order designations and prices will not change with the introduction of the wear monitoring.

Detailed operating instructions will be enclosed in the packaging or can be downloaded at:
<http://www.coninvers.com/com/service/1886.jsp>



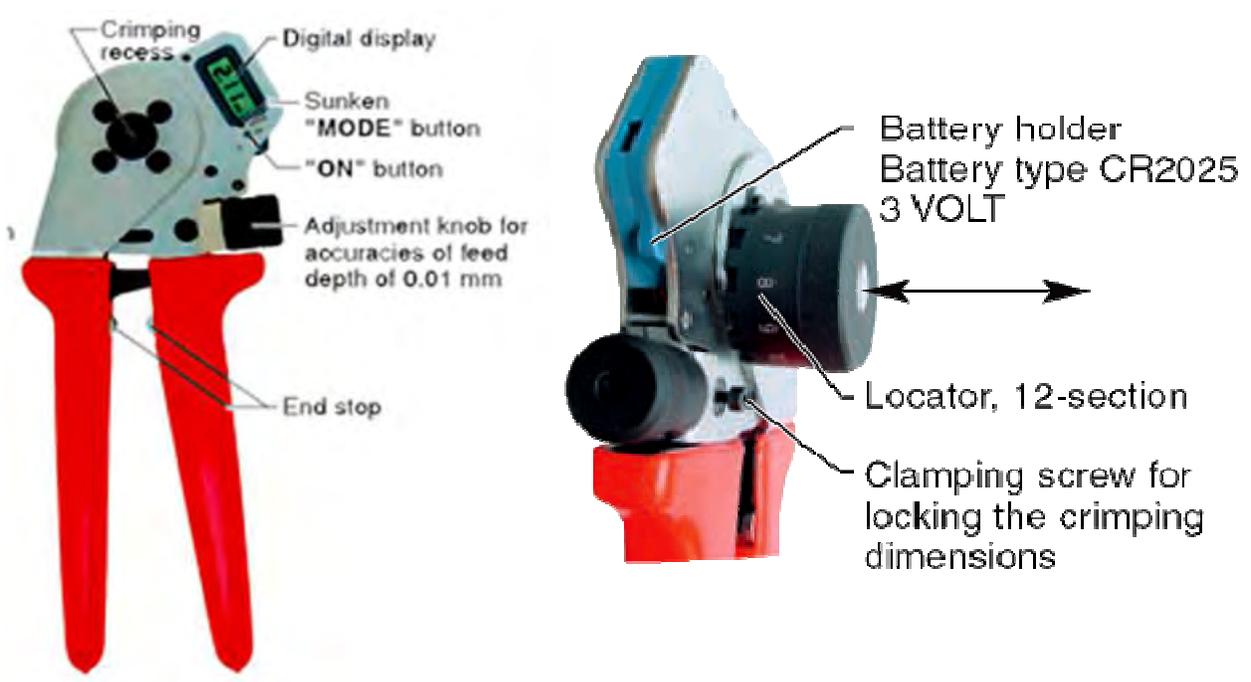
Manual crimping pliers with digital display and wear monitoring. The new function can be recognized visually by the "ON/OFF" marking.

Type of manual crimping pliers with digital display for machined CONINVERS contacts	Order No.	Crimping ranges Contact series	Wear monitoring	Operating Instructions Designation
RC-Z2514	1614590	0.08 mm ² ... 2.5 mm ² RC, SC, SI series	without wear monitoring "ON" marked	German: RC_Z2514_DE-50 English: RC_Z2514_EN-51
			with wear monitoring "ON/OFF" marked	German: RC_Z2514_DE-14790 English: RC_Z2514_EN-14795
SF-Z0054	1615585	0.08 mm ² ... 2.5 mm ² SF, ST series	without wear monitoring "ON" marked	German: SF_Z0054_DE-1514520 English: SF_Z0054_EN-1514530
			with wear monitoring "ON/OFF" marked	German: SF_Z0054_DE-1514555 English: SF_Z0054_EN-1514560
SF-Z0025	1607452	0.14 mm ² ... 6.0 mm ² SF, SM series	without wear monitoring "ON" marked	German: SF_Z0025_DE-5014135 English: SF_Z0025_EN-5014145
			with wear monitoring "ON/OFF" marked	German: SF_Z0025_DE-5014150 English: SF_Z0025_EN-5014155
SF-Z0026	1607454	1.5 mm ² ... 10.0 mm ² SF, SM series	without wear monitoring "ON" marked	German: SF_Z0025_DE-5014135 English: SF_Z0025_EN-5014145
			with wear monitoring "ON/OFF" marked	German: SF_Z0025_DE-5014150 English: SF_Z0025_EN-5014155

Crimp Tools for all Coninvers Crimp Contacts



Picture	Description	Part Number
	<p>As an alternative to manual crimping tools with positioners and eccentric settings, there are 4-indent crimping pliers with digital display.</p> <p>These crimp tools are suitable for all SF, SM, and ST contacts.</p>	
	<p>For AWG 28 - 10</p>	 <p>SF-Z0025</p>
	<p>For AWG 10 - 8</p>	<p>SF-Z0026</p>
	<p>Special Positioner for SF-6FS2000 and SF-6DP2000</p>	<p>SF-Z0042</p>



Setting matrix for all male and female contacts, please see the next pages.....

Crimp Tools for all Coninvers Crimp Contacts



Crimp settings.....

Setting matrix for machined crimp contacts 4-arbor crimping pliers with digital display SF-Z0025

Type No. Contact	Plug-in Ø [mm]		Cross section [mm²]	Conductor stripping length [mm]	Setting parameters	
	Male	Female			Locator	Crimp arbor setting [mm]
SF-6AP2000	1		0.14	4.5	8	0.73
SF-6AP2000	1		0.25	4.5	8	0.77
SF-6AP2000	1		0.35	4.5	8	0.85
SF-6AP2000	1		0.50	4.5	8	0.88
SF-6AP2000	1		0.75	4.5	8	0.97
SF-6AP2000	1		1.00	4.5	8	1.06
SF-6AS2000		1	0.25	4.5	9	0.77
SF-6AS2000		1	0.35	4.5	9	0.85
SF-6AS2000		1	0.50	4.5	9	0.92
SF-6AS2000		1	0.75	4.5	9	1.01
SF-6AS2000		1	1.00	4.5	9	1.11
SF-6CP2000	1		0.08	4.5	8	0.69
SF-6CP2000	1		0.14	4.5	8	0.76
SF-6CP2000	1		0.25	4.5	8	0.79
SF-6CS2000		1	0.08	4.5	9	0.69
SF-6CS2000		1	0.14	4.5	9	0.76
SF-6CS2000		1	0.25	4.5	9	0.79
SF-10KP004	1		0.14	4.5	8	0.90
SF-10KP004	1		0.25	4.5	8	0.93
SF-10KP004	1		0.35	4.5	8	0.95
SF-10KP004	1		0.50	4.5	8	0.98
SF-10KS004		1	0.14	4.5	9	0.73
SF-10KS004		1	0.25	4.5	9	0.76
SF-10KS004		1	0.35	4.5	9	0.80
SF-10KS004		1	0.50	4.5	9	0.84
SF-10KS010		1	0.14	4.5	9	0.73
SF-10KS010		1	0.25	4.5	9	0.76
SF-10KS010		1	0.35	4.5	9	0.80
SF-10KS010		1	0.50	4.5	9	0.83
SF-10KS010		1	0.75	4.5	9	0.90
SF-10KS010		1	1.00	4.5	9	0.98
SF-7MP2000	2		4.00	8	7	1.67
SF-7MS2000		2	4.00	8	4	1.66

Crimp Tools for all Coninvers Crimp Contacts



Crimp settings.....

Setting matrix for machined crimp contacts
4-abor crimping pliers with digital display SF-Z0025 (Continued)

Type No. Contact	Plug-in Ø [mm]		Cross section [mm²]	Conductor stripping length [mm]	Setting parameters	
	Male	Female			Locator	Crimp arbor setting [mm]
SF-7NS2000		2	0.75	8	4	1.39
SF-7NS2000		2	1.00	8	4	1.42
SF-7NS2000		2	1.50	8	4	1.48
SF-7PP2000	2		0.14	8	7	0.75
SF-7PP2000	2		0.25	8	7	0.80
SF-7PP2000	2		0.35	8	7	0.97
SF-7PP2000	2		0.50	8	7	1.00
SF-7PP2000	2		0.75	8	7	1.10
SF-7PP2000	2		1.00	8	7	1.15
SF-7PS2000		2	0.25	8	4	0.92
SF-7PS2000		2	0.35	8	4	0.94
SF-7PS2000		2	0.50	8	4	0.96
SF-7PS2000		2	0.75	8	4	0.99
SF-7PS2000		2	1.00	8	4	1.21
SF-7QP2000	2		1.00	8	7	1.59
SF-7QP2000	2		1.50	8	7	1.64
SF-7QP2000	2		2.50	8	7	1.73
SF-7QS2000		2	1.00	8	4	1.59
SF-7QS2000		2	1.50	8	4	1.64
SF-7QS2000		2	2.50	8	4	1.73
SF-7RP2000	2		0.14	8	7	0.83
SF-7RP2000	2		0.25	8	7	0.87
SF-20KP004	2		0.75	8	7	1.39
SF-20KP004	2		1.00	8	7	1.42
SF-20KP004	2		1.50	8	7	1.48
SF-20KS010		2	0.75	8	4	1.20
SF-20KS010		2	1.00	8	4	1.30
SF-20KS010		2	1.50	8	4	1.45
SF-20KS010		2	2.50	8	4	1.65
SM-20KP005	2		0.75	8	6	1.34
SM-20KP005	2		1.00	8	6	1.42
SM-20KP005	2		1.50	8	6	1.48
SM-20KP006	2		0.25	8	6	0.87
SM-20KP006	2		0.35	8	6	1.09
SM-20KP006	2		0.50	8	6	1.12
SM-20KP006	2		0.75	8	6	1.16
SM-20KP006	2		1.00	8	6	1.21
SM-20KP007	2		1.00	8	6	1.59
SM-20KP007	2		1.50	8	6	1.64
SM-20KP007	2		2.50	8	6	1.73
SM-20KP008	2		2.50	8	6	1.52
SM-20KP008	2		4.00	8	6	1.66
SM-36KP001	3.6		0.75	12	5	1.26
SM-36KP001	3.6		1.00	7	5	1.29
SM-36KP002	3.6		1.00	12	5	1.40
SM-36KP002	3.6		1.50	7	5	1.50
SM-36KP002	3.6		2.50	7	5	1.62
SM-36KP003	3.6		4.00	12	1	2.13
SM-36KP003	3.6		6.00	12	1	2.23
SM-36KP005	3.6		1.00	10	1	1.59
SM-36KP005	3.6		1.50	10	1	1.64
SM-36KP005	3.6		2.50	10	1	1.73
SM-36KP006	3.6		2.50	10	1	1.93
SM-36KP006	3.6		4.00	10	1	2.02

Crimp Tools for all Coninvers Crimp Contacts



Crimp settings.....

Setting matrix for machined crimp contacts
4-arbor crimping pliers with digital display SF-Z0025 (Continued)

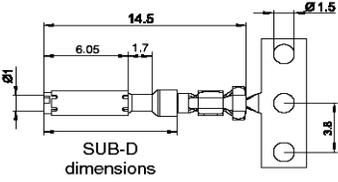
Type No. Contact	Plug-in Ø [mm]		Cross section [mm²]	Conductor stripping length [mm]	Setting parameters	
	Male	Female			Locator	Crimp arbor setting [mm]
SM-36KP008	3.6		4.00	10	1	2.10
SM-36KP008	3.6		6.00	10	1	2.41
SM-36KP009	3.6		1.00	12	1	1.59
SM-36KP009	3.6		1.50	12	1	1.64
SM-36KP009	3.6		2.50	12	1	1.73
SM-36KS001		3.6	1.00	10	3	1.45
SM-36KS001		3.6	1.50	10	3	1.49
SM-36KS001		3.6	2.50	10	3	1.73
SM-36KS002		3.6	2.50	10	3	1.93
SM-36KS002		3.6	4.00	10	3	2.02
SM-36KS003		3.6	4.00	10	3	2.10
SM-36KS003		3.6	6.00	10	3	2.41
ST-20KP010	2		0.25	6	10	0.90
ST-20KP010	2		0.35	6	10	1.00
ST-20KP010	2		0.50	6	10	1.10
ST-20KP010	2		0.75	6	10	1.22
ST-20KP010	2		1.00	6	10	1.35
ST-20KS010		2	0.25	6	10	0.90
ST-20KS010		2	0.35	6	10	1.00
ST-20KS010		2	0.50	6	10	1.10
ST-20KS010		2	0.75	6	10	1.22
ST-20KS010		2	1.00	6	10	1.35
ST-20KP020	2		1.00	6	10	1.59
ST-20KP020	2		1.50	6	10	1.65
ST-20KP020	2		2.50	6	10	1.73
ST-20KS020		2	1.00	6	10	1.59
ST-20KS020		2	1.50	6	10	1.65
ST-20KS020		2	2.50	6	10	1.73

Setting matrix for machined crimp contacts
4-arbor crimping pliers with digital display SF-Z0026

Type No. Contact	Plug-in Ø [mm]		Cross section [mm²]	Conductor stripping length [mm]	Setting parameters	
	Male	Female			Locator	Crimp arbor setting [mm]
SM-36KP004	3.6		6.00	12	1	2.78
SM-36KP004	3.6		10.00	12	1	3.00
SM-36KP007	3.6		6.00	10	1	2.78
SM-36KP007	3.6		10.00	10	1	3.00
SM-36KS004		3.6	6.00	10	3	2.78
SM-36KS004		3.6	10.00	10	3	3.00

Crimp Tools for all Coninvers Crimp Contacts



Picture	Description	Part Number
 	<p>The open barrel C-HC crimp contacts can be crimped quickly and efficiently by hand or automatic.</p> <p>The tool heads are adapted to the respective contacts and connection cross section.</p> <p>Manuel crimping tool (basic tool w/o head) for individual crimping of the C-HC contacts.</p> <p>Tool head for SF-Z0029 (2 mm Ø contacts)</p> <p>Tool head for SF-Z0029 (1 mm Ø contacts)</p>	<p>SF-Z0029</p> <p>SF-Z0030</p> <p>SF-Z0031</p>
   	<p>Electrical crimping tool for C-HC contacts.</p> <p>This is a table crimping device for the same contacts as before, but in rolls to 500</p> <p>Tool head for SF-Z0032 2 mm Ø for AWG17</p> <p>Tool head for SF-Z0032 2 mm Ø for AWG16</p> <p>Tool head for SF-Z0032 2 mm Ø for AWG14</p> <p>Tool head for SF-Z0032 1 mm Ø for AWG 28-24</p> <p>Tool head for SF-Z0032 1 mm Ø for AWG 24-20</p>	<p>SF-Z0032</p> <p>SF-Z0033</p> <p>SF-Z0034</p> <p>SF-Z0035</p> <p>SF-Z0039</p> <p>SF-Z0040</p>

Crimp Tools for all Coninvers Crimp Contacts



Picture	Description	Part Number
	Manual or pneumatic crimping tools are used with machined crimp contacts of the ST connector series . Crimping tool, pneumatic for contacts with 1 mm Ø and 2 mm Ø. AWG 26-10	SF-Z0022
	Crimping tool, manual for contacts with 1 mm Ø and 2 mm Ø. AWG 26-10	SF-Z0008
	Crimping tool, manual for contacts with 1 mm Ø AWG 28-24 with 0.6 mm Ø AWG 28-20	SF-Z0007
	Crimping head for SF-Z0022, SF-Z0008	SF-Z0003
	Crimping head for SF-Z0007	SF-Z0004
	Positioner for crimping head SF-Z0003 1 mm and 2 mm Ø marked with "G"	ST-Z0011
	Positioner for crimping head SF-Z0004 1 mm Ø marked with "C"	SF-Z0002
	Positioner for crimping head SF-Z0004 0.6 mm Ø marked with "H"	ST-Z0010

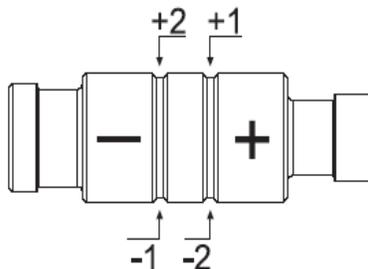
For more settings, see next page.....

Crimping pliers and settings for SF-Z0008 correspond to those of the Coninvers crimping pliers SF-Z0006. Settings for pneumatic crimping pliers SF-Z0022 on request.

M17 • Series ST Crimp Settings

Settings for the manual crimping pliers SF-Z0007/SF-Z0008.

The appropriate settings must be made on the crimping tools for correct crimping of the machined crimp contacts. The crimping heads and positioners are adapted to the crimping pliers and contacts.



Use of the positioner: Find the setting parameters in the table. The data corresponds to the marking +/- as well as the stop position on the positioner. Insert the + or - side into the crimping head. The indicated number describes the first (1) or the second (2) stop position. Do not fully insert the positioner into the crimping head.

Positioner with markings + / - for setting parameters (see table)

Setting matrix for male crimp contacts for M17 connectors series ST

Type No. contact	Plug-in Ø [mm]		Cross section [mm ²]	Type No. Crimping pliers	Type No. Positioner	Setting parameters		Cond. stripping length [mm]
	Male	Female				Positioner	Pop-up	
ST-20KP010	2		0.25-0.5	SF-Z0008	ST-Z0011	- 1	1	6.0
ST-20KP010	2		0.75-1.0	SF-Z0008	ST-Z0011	- 1	2	6.0
ST-20KP020	2		1.0-1.5	SF-Z0008	ST-Z0011	- 1	4	6.0
ST-20KP020	2		2.5	SF-Z0008	ST-Z0011	- 1	6	6.0

Crimp Tools for all Coninvers Crimp Contacts



Crimp settings.....

Setting matrix for male crimp contacts for M17 connectors series ST

Type No. contact	Plug-In Ø [mm]		Cross section [mm²]	Type No. Crimping pliers	Type No. Positioner	Setting parameters		Cond. stripping length [mm]
	Male	Female				Positioner	Pop-up	
SF-6AP2000	1		0.25	SF-Z0007	SF-Z0002	fixed	5	4.5
SF-6AP2000	1		0.32-0.5	SF-Z0007	SF-Z0002	fixed	6	4.5
SF-6AP2000	1		0.75-1.0	SF-Z0008	ST-Z0011 *	+ 2	1	4.5
SF-6CP2000	1		0.08-0.14	SF-Z0007	SF-Z0002	fixed	6	4.5
SF-6CP2000	1		0.22-0.25	SF-Z0007	SF-Z0002	fixed	7	4.5
SF-10KP004	1		0.14-0.25	SF-Z0008	ST-Z0011 *	+ 2	1	4.5
SF-10KP004	1		0.5	SF-Z0008	ST-Z0011 *	+ 2	2	4.5
ST-06KP010	0.6		0.08	SF-Z0007	ST-Z0010	+ 1	3	6.0
ST-06KP010	0.6		0.14	SF-Z0007	ST-Z0010	+ 1	4	6.0
ST-06KP010	0.6		0.25	SF-Z0007	ST-Z0010	+ 1	5	6.0
ST-06KP020	0.6		0.14	SF-Z0007	ST-Z0010	+ 1	4	6.0
ST-06KP020	0.6		0.25-0.34	SF-Z0007	ST-Z0010	+ 1	5	6.0
ST-06KP030	0.6		0.34	SF-Z0007	ST-Z0010	+ 1	5	6.0
ST-06KP030	0.6		0.5	SF-Z0007	ST-Z0010	+ 1	6	6.0

 * Alternatively, the positioner SF-Z0011 or SF-Z0012 can also be used.

Setting matrix for female crimp contacts for for M17 connectors series ST

Type No. contact	Plug-In Ø [mm]		Cross section [mm²]	Type No. Crimping pliers	Type No. Positioner	Setting parameters		Cond. stripping length [mm]
	Male	Female				Positioner	Pop-up	
ST-20KS010		2	0.25-0.5	SF-Z0008	ST-Z0011	- 1	1	6.0
ST-20KS010		2	0.75-1.0	SF-Z0008	ST-Z0011	- 1	2	6.0
ST-20KS020		2	1.0-1.5	SF-Z0008	ST-Z0011	- 1	4	6.0
ST-20KS020		2	2.5	SF-Z0008	ST-Z0011	- 1	6	6.0
SF-6AS2000	1		0.25	SF-Z0007	SF-Z0002	fixed	5	4.5
SF-6AS2000	1		0.32-0.5	SF-Z0007	SF-Z0002	fixed	6	4.5
SF-6AS2000	1		0.75-1.0	SF-Z0008	ST-Z0011 *	+ 2	1	4.5
SF-6CS2000	1		0.08-0.14	SF-Z0007	SF-Z0002	fixed	6	4.5
SF-6CS2000	1		0.22-0.25	SF-Z0007	SF-Z0002	fixed	7	4.5
SF-10KS004	1		0.14-0.25	SF-Z0008	ST-Z0011 *	+ 2	1	4.5
SF-10KS004	1		0.5	SF-Z0008	ST-Z0011 *	+ 2	2	4.5
SF-10KS010	1		0.14	SF-Z0007	SF-Z0002	fixed	4	4.5
SF-10KS010	1		0.25-0.5	SF-Z0007	SF-Z0002	fixed	5	4.5
SF-10KS010	1		0.75-1.0	SF-Z0007	SF-Z0002	fixed	6	4.5
SF-10KS010	1		0.5-1.0	SF-Z0008	ST-Z0011 *	+ 2	1	4.5
ST-06KS010	0.6		0.08	SF-Z0007	ST-Z0010	- 1	3	6.0
ST-06KS010	0.6		0.14	SF-Z0007	ST-Z0010	- 1	4	6.0
ST-06KS010	0.6		0.25	SF-Z0007	ST-Z0010	- 1	5	6.0
ST-06KS020	0.6		0.14	SF-Z0007	ST-Z0010	- 1	4	6.0
ST-06KS020	0.6		0.25-0.34	SF-Z0007	ST-Z0010	- 1	5	6.0
ST-06KS030	0.6		0.34	SF-Z0007	ST-Z0010	- 1	5	6.0
ST-06KS030	0.6		0.5	SF-Z0007	ST-Z0010	- 1	6	6.0

 * Alternatively, the positioner SF-Z0012 can also be used.

Crimp Tools for all Coninvers Crimp Contacts



Picture	Description	Part Number
	Manual or pneumatic crimping tools are used with machined crimp contacts of the RF connector series . Crimping tool, pneumatic for contacts with 1 mm Ø and 2 mm Ø. AWG 26-10	SF-Z0022
	Crimping tool, manual for contacts with 1 mm Ø and 2 mm Ø. AWG 26-10	SF-Z0008
	Crimping tool, manual for contacts with 1 mm Ø AWG 28-24 with 0.6 mm Ø AWG 28-20	SF-Z0007
	Crimping head for SF-Z0022, SF-Z0008	SF-Z0003
	Crimping head for SF-Z0007	SF-Z0004
	Positioner for crimping head SF-Z0003 1 mm Ø marked with "E"	SF-Z0012
Positioner for crimping head SF-Z0004 1 mm Ø marked with "C"	SF-Z0002	

Settings please see next page.....

Crimp Tools for all Coninvers Crimp Contacts

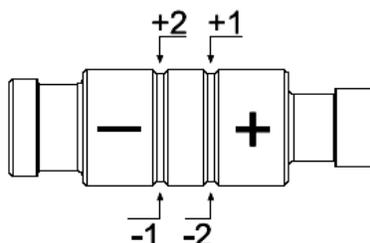


Crimp settings.....

M23 • Series RF Crimp Settings

Settings for the manual crimping pliers SF-Z0007/SF-Z0008.

The appropriate settings must be made on the crimping tools for correct crimping of the machined crimp contacts. The crimping heads and positioners are adapted to the crimping pliers and contacts.



Use of the positioner: Find the setting parameters in the table. The data corresponds to the marking +/- as well as the stop position on the positioner. Insert the + or - side into the crimping head. The indicated number describes the first (1) or the second (2) stop position. Do not fully insert the positioner into the crimping head.

Positioner with markings + / - for setting parameters (see table)

Setting matrix for male crimp contacts for M23 connectors series RF

Type No. contact	Plug-In Ø [mm]		Cross section [mm²]	Type No. Crimping pliers	Type No. Positioner	Setting parameters		Conductor stripping length [mm]
	Male	Female				Positioner	Pop-up	
SF-6AP2000	1		0.25	SF-Z0007	SF-Z0002	fixed	5	4.5
SF-6AP2000	1		0.32-0.5	SF-Z0007	SF-Z0002	fixed	6	4.5
SF-6AP2000	1		0.75-1.0	SF-Z0008	SF-Z0012 *	+ 2	1	4.5
SF-6CP2000	1		0.08-0.14	SF-Z0007	SF-Z0002 *	fixed	6	4.5
SF-6CP2000	1		0.22-0.25	SF-Z0007	SF-Z0002 *	fixed	7	4.5
SF-10KP004	1		0.14-0.25	SF-Z0008	SF-Z0012 *	+ 2	1	4.5
SF-10KP004	1		0.5	SF-Z0008	SF-Z0012 *	+ 2	2	4.5
SF-6DP2000	1		0.5-0.75	SF-Z0008	SF-Z0012 *	+ 2	1	4.5
SF-6DP2000	1		1.0	SF-Z0008	SF-Z0012 *	+ 2	2	4.5
SF-6DP2000	1		1.5	SF-Z0008	SF-Z0012 *	+ 1	2	4.5

* Alternatively, the positioner SF-Z0011 can also be used.

Setting matrix for female crimp contacts for for M23 connectors series RF

Type No. contact	Plug-In Ø [mm]		Cross section [mm²]	Type No. Crimping pliers	Type No. Positioner	Setting parameters		Conductor stripping length [mm]
	Male	Female				Positioner	Pop-up	
SF-6AS2000		1	0.25	SF-Z0007	SF-Z0002	fixed	5	4.5
SF-6AS2000		1	0.32-0.5	SF-Z0007	SF-Z0002	fixed	6	4.5
SF-6AS2000		1	0.75-1.0	SF-Z0008	SF-Z0012	+ 2	1	4.5
SF-6CS2000		1	0.08-0.14	SF-Z0007	SF-Z0002	fixed	6	4.5
SF-6CS2000		1	0.22-0.25	SF-Z0007	SF-Z0002	fixed	7	4.5
SF-6FS2000		1	0.5-0.75	SF-Z0008	SF-Z0012	+ 2	1	4.5
SF-6FS2000		1	1.0	SF-Z0008	SF-Z0012	+ 2	2	4.5
SF-6FS2000		1	1.5	SF-Z0008	SF-Z0012	+ 1	2	4.5
SF-10KS004		1	0.14-0.25	SF-Z0008	SF-Z0012	+ 2	1	4.5
SF-10KS004		1	0.5	SF-Z0008	SF-Z0012	+ 2	2	4.5
SF-10KS010		1	0.14	SF-Z0007	SF-Z0002	fixed	4	4.5
SF-10KS010		1	0.25-0.5	SF-Z0007	SF-Z0002	fixed	5	4.5
SF-10KS010		1	0.75-1.0	SF-Z0007	SF-Z0002	fixed	6	4.5
SF-10KS010		1	0.5-1.0	SF-Z0008	SF-Z0012	+ 2	1	4.5

Crimp Tools for all Coninvers Crimp Contacts



Picture	Description	Part Number
	<p>Manual or pneumatic crimping tools are used with machined crimp contacts of the SF/SM connector series.</p> <p>Crimping tool, pneumatic for contacts with 1 mm Ø and 2 mm Ø and 3.6 mm Ø AWG 26-10</p>	SF-Z0022
	<p>Crimping tool, pneumatic for contacts 3.6 mm Ø AWG 10-8</p>	SF-Z0014
	<p>Crimping tool, manual for contacts with 2 mm Ø and 3.6 mm Ø. AWG 26-10</p>	SF-Z0008
	<p>Crimping tool, manual for contacts with 1 mm Ø AWG 28-24</p>	SF-Z0007
	<p>Crimping tool, manual for contacts with 3.6 mm Ø AWG 10-8</p>	SF-Z0009
	<p>crimping head for SF-Z0022, SF-Z0008, SF-Z0009, SF-Z0008</p>	SF-Z0003
	<p>crimping head for SF-Z0007</p>	SF-Z0004
	<p>Positioner for panel mount contacts except SF-Z0007 Marked with "D" SF/SM-contacts</p>	SF-Z0011
	<p>Positioner for cable connector contacts except SF-Z0007 Marked with "E" SF-contacts</p>	SF-Z0012
	<p>Positioner for cable connector contacts except SF-Z0007 Marked with "F" SM-contacts</p>	SF-Z0013
<p>Positioner for crimping tool SF-Z0007 1 mm contacts, SF series, Marked with "C"</p>	SF-Z0002	

See next page for settings.....

Crimp Tools for all Coninvers Crimp Contacts

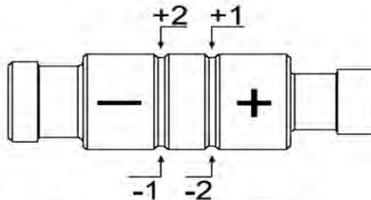


Crimp settings.....

ConPower P30 Crimp Settings

Settings for the manual crimping pliers SF-Z0007/SF-Z0008.

The appropriate settings must be made on the crimping tools for correct crimping of the machined crimp contacts. Find the values for panel mounting connectors with knurled nut in the table for cable connectors.



Positioner with markings + / - for setting parameters (see table)

Use of the positioner: Find the setting parameters in the table. The data corresponds to the marking +/- as well as the stop position on the positioner. Insert the + or - side into the crimping head. The indicated number describes the first (1) or the second (2) stop position. Do not fully insert the positioner into the crimping head.

Setting matrix for crimp contacts, male, for P30 panel mounting connectors / receptacles

Type No. contact	Plug-in Ø [mm]		Cross section [mm²]	Type No. Crimping pliers	Type No. Positioner	Setting parameters		Conductor stripping length [mm]
	Male	Female				Positioner	Pop-up	
SF-6AP2000	1		0.25-1.0	SF-Z0008	SF-Z0011	+ 2	1	4.5
SF-6CP2000	1		0.08-0.14	SF-Z0007	SF-Z0002	fixed	6	4.5
SF-6CP2000	1		0.22-0.25	SF-Z0007	SF-Z0002	fixed	7	4.5
SF-10KP004	1		0.14-0.25	SF-Z0008	SF-Z0011	+ 2	1	4.5
SF-10KP004	1		0.5	SF-Z0008	SF-Z0011	+ 2	2	4.5
SF-6DP2000	1		0.5-0.75	SF-Z0008	SF-Z0011	+ 2	1	4.5
SF-6DP2000	1		1.0	SF-Z0008	SF-Z0011	+ 2	2	4.5
SF-6DP2000	1		1.5	SF-Z0008	SF-Z0011	+ 1	2	4.5
SF-7MP2000	2		4.0	SF-Z0008	SF-Z0011	+ 1	4	8
SF-7PP2000	2		0.25-0.5	SF-Z0008	SF-Z0011	+ 1	1	8
SF-7PP2000	2		0.75-1.0	SF-Z0008	SF-Z0011	+ 1	2	8
SF-7QP2000	2		1.0-1.5	SF-Z0008	SF-Z0011	+ 1	4	8
SF-7QP2000	2		2.5	SF-Z0008	SF-Z0011	+ 1	6	8
SF-7RP2000	2		0.14-0.25	SF-Z0008	SF-Z0011	+ 1	1	8
SF-20KP004	2		0.75-1.5	SF-Z0008	SF-Z0011	+ 1	3	8

Setting matrix for crimp contacts, male/female, for P30 cable connecting receptacles and cable connectors

Type No. contact	Plug-in Ø [mm]		Cross section [mm²]	Type No. Crimping pliers	Type No. Positioner	Setting parameters		Conductor stripping length [mm]
	Male	Female				Positioner	Pop-up	
SF-6AP2000	1		0.25-1.0	SF-Z0008	SF-Z0012	+ 2	1	4.5
SF-6AS2000		1	0.25-1.0	SF-Z0008	SF-Z0012	+ 2	1	4.5
SF-6CP2000	1		0.08-0.14	SF-Z0007	SF-Z0002	fixed	6	4.5
SF-6CP2000	1		0.22-0.25	SF-Z0007	SF-Z0002	fixed	7	4.5
SF-10KP004	1		0.14-0.25	SF-Z0008	SF-Z0012	+ 2	1	4.5
SF-10KP004	1		0.5	SF-Z0008	SF-Z0012	+ 2	2	4.5
SF-6DP2000	1		0.5-0.75	SF-Z0008	SF-Z0011	+ 2	1	4.5
SF-6DP2000	1		1.0	SF-Z0008	SF-Z0011	+ 2	2	4.5
SF-6DP2000	1		1.5	SF-Z0008	SF-Z0011	+ 1	2	4.5
SF-6CS2000		1	0.08-0.14	SF-Z0007	SF-Z0002	fixed	6	4.5
SF-6CS2000		1	0.22-0.25	SF-Z0007	SF-Z0002	fixed	7	4.5
SF-6FS2000		1	0.5-0.75	SF-Z0008	SF-Z0012	+ 2	1	4.5
SF-6FS2000		1	1.0	SF-Z0008	SF-Z0012	+ 2	2	4.5
SF-6FS2000		1	1.5	SF-Z0008	SF-Z0012	+ 1	2	4.5
SF-10KS004	1		0.14-0.25	SF-Z0008	SF-Z0012	+ 2	1	4.5
SF-10KS004	1		0.5	SF-Z0008	SF-Z0012	+ 2	2	4.5
SF-10KS010	1		0.14	SF-Z0007	SF-Z0002	fixed	4	4.5
SF-10KS010	1		0.25-0.5	SF-Z0007	SF-Z0002	fixed	5	4.5
SF-10KS010	1		0.75-1.0	SF-Z0007	SF-Z0002	fixed	6	4.5
SF-10KS010		1	0.5-1.0	SF-Z0008	SF-Z0012	+ 2	1	4.5
SF-7MP2000	2		4.0	SF-Z0008	SF-Z0012	- 2	4	8
SF-7MS2000		2	4.0	SF-Z0008	SF-Z0012	- 2	4	8
SF-7NS2000		2	0.75-1.5	SF-Z0008	SF-Z0012	- 2	3	8
SF-7PP2000	2		0.25-0.5	SF-Z0008	SF-Z0012	- 2	1	8
SF-7PP2000	2		0.75-1.0	SF-Z0008	SF-Z0012	- 2	2	8
SF-7PS2000		2	0.25-0.5	SF-Z0008	SF-Z0012	- 2	1	8
SF-7PS2000		2	0.75-1.0	SF-Z0008	SF-Z0012	- 2	2	8
SF-7QP2000	2		1.0-1.5	SF-Z0008	SF-Z0012	- 2	4	8
SF-7QP2000	2		2.5	SF-Z0008	SF-Z0012	- 2	6	8
SF-7QS2000		2	1.0-1.5	SF-Z0008	SF-Z0012	- 2	4	8
SF-7QS2000		2	2.5	SF-Z0008	SF-Z0012	- 2	6	8
SF-20KP004	2		0.75-1.5	SF-Z0008	SF-Z0012	- 2	3	8
SF-20KS010		2	0.75-1.0	SF-Z0008	SF-Z0012	- 2	3	8
SF-20KS010		2	1.5	SF-Z0008	SF-Z0012	- 2	4	8
SF-20KS010		2	2.5	SF-Z0008	SF-Z0012	- 2	5	8
SF-7RP2000	2		0.14-0.25	SF-Z0008	SF-Z0012	- 2	1	8

Crimp Tools for all Coninvers Crimp Contacts



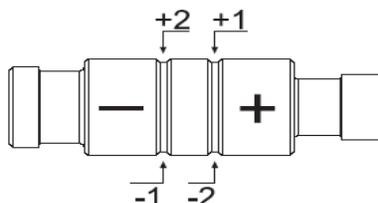
Crimp settings.....

ConPower P70 Crimp Settings

Settings for the manual crimping pliers SF-Z0008/SF-Z0009.

The appropriate settings must be made on the crimping tools for correct crimping of the machined crimp contacts.

Find the values for panel mounting connectors with knurled nut in the table for cable connectors.



Positioner with markings + / - for setting parameters (see table)

Use of the positioner: Find the setting parameters in the table. The data corresponds to the marking +/- as well as the stop position on the positioner. Insert the + or - side into the crimping head. The indicated number describes the first (1) or the second (2) stop position. Do not fully insert the positioner into the crimping head.

Setting matrix for crimp contacts, male, for P70 panel mounting connectors / receptacles

Type No. contact	Plug-in Ø [mm]		Cross section [mm²]	Type No. Crimping pliers	Type No. Positioner	Setting parameters		Conductor stripping length [mm]
	Male	Female				Positioner	Pop-up	
SF-7MP2000	2		4.0	SF-Z0008	SF-Z0011	+ 1	4	8
SF-7PP2000	2		0.25-0.5	SF-Z0008	SF-Z0011	+ 1	1	8
SF-7PP2000	2		0.75-1.0	SF-Z0008	SF-Z0011	+ 1	2	8
SF-7QP2000	2		1.0-1.5	SF-Z0008	SF-Z0011	+ 1	4	8
SF-7QP2000	2		2.5	SF-Z0008	SF-Z0011	+ 1	6	8
SF-7RP2000	2		0.14-0.25	SF-Z0008	SF-Z0011	+ 1	1	8
SM-20KP004	2		0.75-1.5	SF-Z0008	SF-Z0011	+ 1	3	8
SM-36KP001	3.6		0.75	SF-Z0008	SF-Z0011	- 2	2	12
SM-36KP001	3.6		1.0	SF-Z0008	SF-Z0011	- 1	3	7
SM-36KP001	3.6		1.5	SF-Z0008	SF-Z0011	- 1	4	7
SM-36KP002	3.6		1.0-1.5	SF-Z0008	SF-Z0011	- 2	4	12
SM-36KP002	3.6		2.5	SF-Z0008	SF-Z0011	- 1	5	7
SM-36KP002	3.6		4.0	SF-Z0008	SF-Z0011	- 1	6	7
SM-36KP003	3.6		4.0	SF-Z0008	SF-Z0011	- 1	7	12
SM-36KP003	3.6		6.0	SF-Z0008	SF-Z0011	- 1	8	12
SM-36KP004	3.6		6.0-10	SF-Z0009	SF-Z0011	- 1	8	12
SM-36KP009	3.6		1.0	SF-Z0008	SF-Z0011	- 1	4	12
SM-36KP009	3.6		1.5	SF-Z0008	SF-Z0011	- 1	4	12
SM-36KP009	3.6		2.5	SF-Z0008	SF-Z0011	- 1	6	12

Setting matrix for crimp contacts, male/female, for P70 cable connecting receptacles and cable connectors

Type No. contact	Plug-in Ø [mm]		Cross section [mm²]	Type No. Crimping pliers	Type No. Positioner	Setting parameters		Conductor stripping length [mm]
	Male	Female				Positioner	Pop-up	
SF-7MS2000		2	4.0	SF-Z0008	SF-Z0013	+ 2	4	8
SF-7NS2000		2	0.75-1.5	SF-Z0008	SF-Z0013	+ 2	3	8
SF-7PS2000		2	0.25-0.5	SF-Z0008	SF-Z0013	+ 2	1	8
SF-7PS2000		2	0.75-1.0	SF-Z0008	SF-Z0013	+ 2	2	8
SF-7QS2000		2	1.0-1.5	SF-Z0008	SF-Z0013	+ 2	4	8
SF-7QS2000		2	2.5	SF-Z0008	SF-Z0013	+ 2	6	8
SM-20KP005	2		0.75-1.5	SF-Z0008	SF-Z0013	+ 2	2	8
SM-20KP006	2		0.25-0.5	SF-Z0008	SF-Z0013	+ 2	1	8
SM-20KP006	2		0.75-1.0	SF-Z0008	SF-Z0013	+ 2	2	8
SM-20KP007	2		1.0-1.5	SF-Z0008	SF-Z0013	+ 2	4	8
SM-20KP007	2		2.5	SF-Z0008	SF-Z0013	+ 2	6	8
SM-20KP008	2		2.5-4.0	SF-Z0008	SF-Z0013	+ 2	4	8
SM-36KP005	3.6		1.0-1.5	SF-Z0008	SF-Z0013	- 2	4	10
SM-36KP005	3.6		2.5	SF-Z0008	SF-Z0013	- 2	6	10
SM-36KP006	3.6		2.5	SF-Z0008	SF-Z0013	- 2	5	10
SM-36KP006	3.6		4.0	SF-Z0008	SF-Z0013	- 2	6	10
SM-36KP007	3.6		6.0-10.0	SF-Z0009	SF-Z0013	- 2	8	10
SM-36KP008	3.6		4.0	SF-Z0008	SF-Z0013	- 2	7	10
SM-36KP008	3.6		6.0	SF-Z0008	SF-Z0013	- 2	8	10
SM-36KS001		3.6	1.0-1.5	SF-Z0008	SF-Z0013	- 2	4	10
SM-36KS001		3.6	2.5	SF-Z0008	SF-Z0013	- 2	6	10
SM-36KS002		3.6	2.5	SF-Z0008	SF-Z0013	- 2	5	10
SM-36KS002		3.6	4.0	SF-Z0008	SF-Z0013	- 2	6	10
SM-36KS003		3.6	4.0	SF-Z0008	SF-Z0013	- 2	7	10
SM-36KS003		3.6	6.0	SF-Z0008	SF-Z0013	- 2	8	10
SM-36KS004		3.6	6.0-10.0	SF-Z0009	SF-Z0013	- 2	8	10

Crimp Tools for all Coninvers Crimp Contacts



Picture	Description	Part Number
	Manual crimping tool for machined crimp contacts 10 mm Ø of the series SL AWG 8-1 Power and PE contacts Tool without crimping stamp	SL-Z0001
	Crimping stamp for SL-Z0001 for contacts AWG8	SL-Z0002
	Crimping stamp for SL-Z0001 for contacts AWG6-2	SL-Z0003
	Crimping stamp for SL-Z0001 for contacts AWG4-1	SL-Z0004
	For Signal Contacts please use our Crimp tool SF-Z0025 See details on page B-B-03	

Setting matrix for machined crimp contacts Ø 1.6 mm, signal contacts ConPower P150, 4-arbor crimping pliers with digital display SF-Z0025

Type No. Contact	Plug-in Ø [mm]		Cross section [mm²]	Conductor stripping length [mm]	Setting parameters	
	Male	Female			Locator	Crimp arbor setting [mm]
SL-16KS010		1.6	0.75	7	11	1.39
SL-16KS010		1.6	1.00	7	11	1.42
SL-16KS010		1.6	1.50	7	11	1.48
SL-16KP010	1.6		0.75	7	11	1.39
SL-16KP010	1.6		1.00	7	11	1.42
SL-16KP010	1.6		1.50	7	11	1.48

Setting matrix for machined crimp contacts Ø 10 mm, power and PE contacts ConPower P150, crimping pliers SL-Z0001

Type No. Contact	Plug-in Ø [mm]		Cross section [mm²]	Conductor stripping length [mm]	Crimping stamp Number
	Male	Female			
SL-1CKS010		10	10	13.8	8
SL-1CKS020		10	16	13.8	9
SL-1CKS030		10	25	16.8	11
SL-1CKS040		10	35	18.5	13
SL-1CKS050		10	50	18.0	14.5
SL-1CKP010	10		10	13.8	8
SL-1CKP020	10		16	13.8	9
SL-1CKP030	10		25	16.8	11
SL-1CKP040	10		35	18.5	13
SL-1CKP050	10		50	18.0	14.5



Member of the Phoenix Contact Group

Gold Contacts

Crimp Inserts and the according Gold Contacts

RC Series

SF Series

SL Series

ST Series

SM Series

SH Series

Gold plated crimp contacts (2 mm Ø)
for Connector inserts series RC/UC/TU/SSR/CA

6 and 7 positions male

Connector Insert mating face	Contact picture	AWG size	Contact P/N	Crimp Tool	Crimp Tool	Crimp Tool	Crimp Tool	Ass'y Tool	Ass'y Tool
 06P1...8A...  07P1...8A...		20-18	RC-5SP2000 on page...	RC-Z2504 B-B-01	AF8 B-B-01	M309 B-B-01	PA 1443-CA B-B-02	RC-Z2490 B-E-03	RC-Z2220 B-E-01
		18-17	RC-59P2000 on page...	RC-Z2504 B-B-01	AF8 B-B-01	M309 B-B-01	PA 1443-CA B-B-02	RC-Z2490 B-E-03	RC-Z2220 B-E-01
		17-16	RC-5CP2000 on page...	RC-Z2504 B-B-01	AF8 B-B-01	M309 B-B-01	PA 1443-CA B-B-02	RC-Z2490 B-E-03	RC-Z2220 B-E-01
		16-14	RC-5AP2000 on page...	RC-Z2504 B-B-01	AF8 B-B-01	M309 B-B-01	PA 1443-CA B-B-02	RC-Z2490 B-E-03	RC-Z2220 B-E-01
		18-17	RC-5QP2000 pre-mating 1.5 mm	RC-Z2504 B-B-01	AF8 B-B-01	M309 B-B-01	PA 1443-CA B-B-02	RC-Z2490 B-E-03	RC-Z2220 B-E-01
		17-16	RC-5NP2000 pre-mating 1.5 mm	RC-Z2504 B-B-01	AF8 B-B-01	M309 B-B-01	PA 1443-CA B-B-02	RC-Z2490 B-E-03	RC-Z2220 B-E-01
		16-14	RC-5PP2000 pre-mating 1.5 mm	RC-Z2504 B-B-01	AF8 B-B-01	M309 B-B-01	PA 1443-CA B-B-02	RC-Z2490 B-E-03	RC-Z2220 B-E-01

6 and 7 positions female

Connector Insert mating face	Contact picture	AWG size	Contact P/N	Crimp Tool	Crimp Tool	Crimp Tool	Crimp Tool	Ass'y Tool	Ass'y Tool
 06S1...8A...  07S1...8A...		20-18	RC-5SS2000 on page...	RC-Z2504 B-B-01	AF8 B-B-01	M309 B-B-01	PA 1443-CA B-B-02	RC-Z2490 B-E-03	RC-Z2220 B-E-01
		18-17	RC-59S2000 on page...	RC-Z2504 B-B-01	AF8 B-B-01	M309 B-B-01	PA 1443-CA B-B-02	RC-Z2490 B-E-03	RC-Z2220 B-E-01
		17-16	RC-5CS2000 on page...	RC-Z2504 B-B-01	AF8 B-B-01	M309 B-B-01	PA 1443-CA B-B-02	RC-Z2490 B-E-03	RC-Z2220 B-E-01
		16-14	RC-5AS2000 on page...	RC-Z2504 B-B-01	AF8 B-B-01	M309 B-B-01	PA 1443-CA B-B-02	RC-Z2490 B-E-03	RC-Z2220 B-E-01

Gold plated crimp contacts (1 and 2 mm Ø)
for Connector inserts series RC/UC/TU/SSR/CA

9 positions (8 x 1 mm + 1 x 2 mm) male

Connector Insert mating face	Contact picture	AWG size	Contact P/N	Crimp Tool	Crimp Tool	Crimp Tool	Crimp Tool	Ass'y Tool	Ass'y Tool
 09P1...8A...  09P2...8A...		20-18 2 mm Ø	RC-5SP2000 on page...	RC-Z2504 B-B-01	AF8 B-B-01	M309 B-B-01	PA 1443-CA B-B-02	RC-Z2490 B-E-03	RC-Z2220 B-E-01
		18-17 2 mm Ø	RC-59P2000 on page...	RC-Z2504 B-B-01	AF8 B-B-01	M309 B-B-01	PA 1443-CA B-B-02	RC-Z2490 B-E-03	RC-Z2220 B-E-01
		17-16 2 mm Ø	RC-5CP2000 on page...	RC-Z2504 B-B-01	AF8 B-B-01	M309 B-B-01	PA 1443-CA B-B-02	RC-Z2490 B-E-03	RC-Z2220 B-E-01
		16-14 2 mm Ø	RC-5AP2000 on page...	RC-Z2504 B-B-01	AF8 B-B-01	M309 B-B-01	PA 1443-CA B-B-02	RC-Z2490 B-E-03	RC-Z2220 B-E-01
		26-20 1 mm Ø	RC-12P2000 on page...	RC-Z2504 B-B-01	AF8 B-B-01	M309 B-B-01	PA 1462-CA B-B-02	RC-Z2494 B-E-03	RC-Z2097 B-E-01
		20-18 1 mm Ø	RC-1KP2000 on page...	RC-Z2504 B-B-01	AF8 B-B-01	M309 B-B-01	PA 1462-CA B-B-02	RC-Z2494 B-E-03	RC-Z2097 B-E-01

9 positions (8 x 1 mm + 1 x 2 mm) female

Connector Insert mating face	Contact picture	AWG size	Contact P/N	Crimp Tool	Crimp Tool	Crimp Tool	Crimp Tool	Ass'y Tool	Ass'y Tool
 09S1...8A...  09S2...8A...		20-18 2 mm Ø	RC-5SS2000 on page...	RC-Z2504 B-B-01	AF8 B-B-01	M309 B-B-01	PA 1443-CA B-B-02	RC-Z2490 B-E-03	RC-Z2220 B-E-01
		18-17 2 mm Ø	RC-59S2000 on page...	RC-Z2504 B-B-01	AF8 B-B-01	M309 B-B-01	PA 1443-CA B-B-02	RC-Z2490 B-E-03	RC-Z2220 B-E-01
		17-16 2 mm Ø	RC-5CS2000 on page...	RC-Z2504 B-B-01	AF8 B-B-01	M309 B-B-01	PA 1443-CA B-B-02	RC-Z2490 B-E-03	RC-Z2220 B-E-01
		16-14 2 mm Ø	RC-5AS2000 on page...	RC-Z2504 B-B-01	AF8 B-B-01	M309 B-B-01	PA 1443-CA B-B-02	RC-Z2490 B-E-03	RC-Z2220 B-E-01
		26-20 1 mm Ø	RC-12S2000 on page...	RC-Z2504 B-B-01	AF8 B-B-01	M309 B-B-01	PA 1462-CA B-B-02	RC-Z2494 B-E-03	RC-Z2097 B-E-01
		20-18 1 mm Ø	RC-1KS2000 on page...	RC-Z2504 B-B-01	AF8 B-B-01	M309 B-B-01	PA 1462-CA B-B-02	RC-Z2494 B-E-03	RC-Z2097 B-E-01

Gold plated crimp contacts (1 mm Ø)
for Connector inserts series RC/UC/TU/SSR/CA

12 positions male

Connector Insert mating face	Contact picture	AWG size	Contact P/N	Crimp Tool	Crimp Tool	Crimp Tool	Crimp Tool	Ass'y Tool	Ass'y Tool
 12P1...8A...  12P2...8A...		28-24	RC-11P2000 on page...	RC-Z2504 B-B-01	AF8 B-B-01	M309 B-B-01	PA 1462-CA B-B-02	RC-Z2494 B-E-03	RC-Z2097 B-E-01
		26-20	RC-12P2000 on page...	RC-Z2504 B-B-01	AF8 B-B-01	M309 B-B-01	PA 1462-CA B-B-02	RC-Z2494 B-E-03	RC-Z2097 B-E-01
		20-18	RC-1KP2000 on page...	RC-Z2504 B-B-01	AF8 B-B-01	M309 B-B-01	PA 1462-CA B-B-02	RC-Z2494 B-E-03	RC-Z2097 B-E-01
		18-17	RC-1BP2000 on page...	RC-Z2504 B-B-01	AF8 B-B-01	M309 B-B-01	PA 1462-CA B-B-02	RC-Z2494 B-E-03	RC-Z2097 B-E-01
		28-24	RC-21P2000 on page...	RC-Z2130 B-B-01				RC-Z2494 B-E-03	RC-Z2097 B-E-01
		24-20	RC-22P2000 on page...	RC-Z2130 B-B-01				RC-Z2494 B-E-03	RC-Z2097 B-E-01

12 positions male

Connector Insert mating face	Contact picture	AWG size	Contact P/N	Crimp Tool	Crimp Tool	Crimp Tool	Crimp Tool	Ass'y Tool	Ass'y Tool
 12P1NRA  12P2NRA		28-24	RC-6RP2000 on page...	RC-Z2504 B-B-01					RC-Z2274 B-E-02
		24-20	RC-6LP2000 on page...	RC-Z2504 B-B-01					RC-Z2274 B-E-02
		20-18	RC-6KP2000 on page...	RC-Z2504 B-B-01					RC-Z2274 B-E-02
		18-17	RC-67P2000 on page...	RC-Z2504 B-B-01					RC-Z2274 B-E-02

Gold plated crimp contacts (1 mm Ø)
for Connector inserts series RC/UC/TU/SSR/CA

12 positions female

Connector Insert mating face	Contact picture	AWG size	Contact P/N	Crimp Tool	Crimp Tool	Crimp Tool	Crimp Tool	Ass'y Tool	Ass'y Tool	
 12S1...8A...  12S2...8A...		28-24	RC-11S2000 on page...	RC-Z2504 B-B-01	AF8 B-B-01	M309 B-B-01	PA 1462-CA B-B-02	RC-Z2494 B-E-03	RC-Z2097 B-E-01	
		26-20	RC-12S2000 on page...	RC-Z2504 B-B-01	AF8 B-B-01	M309 B-B-01	PA 1462-CA B-B-02	RC-Z2494 B-E-03	RC-Z2097 B-E-01	
		20-18	RC-1KS2000 on page...	RC-Z2504 B-B-01	AF8 B-B-01	M309 B-B-01	PA 1462-CA B-B-02	RC-Z2494 B-E-03	RC-Z2097 B-E-01	
		18-17	RC-1BS2000 on page...	RC-Z2504 B-B-01	AF8 B-B-01	M309 B-B-01	PA 1462-CA B-B-02	RC-Z2494 B-E-03	RC-Z2097 B-E-01	
		28-24	RC-21S2000 on page...	RC-Z2130 B-B-01					RC-Z2494 B-E-03	RC-Z2097 B-E-01
		24-20	RC-22S2000 on page...	RC-Z2130 B-B-01					RC-Z2494 B-E-03	RC-Z2097 B-E-01

12 positions female

Connector Insert mating face	Contact picture	AWG size	Contact P/N	Crimp Tool	Crimp Tool	Crimp Tool	Crimp Tool	Ass'y Tool	Ass'y Tool	
 12S1NRA  12S2NRA		28-24	RC-6RS2000 on page...	RC-Z2504 B-B-01					RC-Z2274 B-E-02	
		24-20	RC-6LS2000 on page...	RC-Z2504 B-B-01					RC-Z2274 B-E-02	
		20-18	RC-6KS2000 on page...	RC-Z2504 B-B-01					RC-Z2274 B-E-02	
		18-17	RC-67S2000 on page...	RC-Z2504 B-B-01					RC-Z2274 B-E-02	

Gold plated crimp contacts (1 mm Ø)
for Connector inserts series RC/UC/TU/SSR/CA

16 positions male

Connector Insert mating face	Contact picture	AWG size	Contact P/N	Crimp Tool	Crimp Tool	Crimp Tool	Crimp Tool	Ass'y Tool	Ass'y Tool
 16P1...8A...		28-24	RC-11P2000 on page...	RC-Z2504 B-B-01	AF8 B-B-01	M309 B-B-01	PA 1462-CA B-B-02	RC-Z2494 B-E-03	RC-Z2097 B-E-01
		26-20	RC-12P2000 on page...	RC-Z2504 B-B-01	AF8 B-B-01	M309 B-B-01	PA 1462-CA B-B-02	RC-Z2494 B-E-03	RC-Z2097 B-E-01
		20-18	RC-1KP2000 on page...	RC-Z2504 B-B-01	AF8 B-B-01	M309 B-B-01	PA 1462-CA B-B-02	RC-Z2494 B-E-03	RC-Z2097 B-E-01
		18-17	RC-1BP2000 on page...	RC-Z2504 B-B-01	AF8 B-B-01	M309 B-B-01	PA 1462-CA B-B-02	RC-Z2494 B-E-03	RC-Z2097 B-E-01
		28-24	RC-21P2000 on page...	RC-Z2130 B-B-01				RC-Z2494 B-E-03	RC-Z2097 B-E-01
		24-20	RC-22P2000 on page...	RC-Z2130 B-B-01				RC-Z2494 B-E-03	RC-Z2097 B-E-01

16 positions male

Connector Insert mating face	Contact picture	AWG size	Contact P/N	Crimp Tool	Crimp Tool	Crimp Tool	Crimp Tool	Ass'y Tool	Ass'y Tool
 16P1..RA		28-24	RC-6RP2000 on page...	RC-Z2504 B-B-01					RC-Z2274 B-E-02
		24-20	RC-6LP2000 on page...	RC-Z2504 B-B-01					RC-Z2274 B-E-02
		20-18	RC-6KP2000 on page...	RC-Z2504 B-B-01					RC-Z2274 B-E-02
		18-17	RC-67P2000 on page...	RC-Z2504 B-B-01					RC-Z2274 B-E-02

Gold plated crimp contacts (1 mm Ø)
for Connector inserts series RC/UC/TU/SSR/CA

16 positions female

Connector Insert mating face	Contact picture	AWG size	Contact P/N	Crimp Tool	Crimp Tool	Crimp Tool	Crimp Tool	Ass'y Tool	Ass'y Tool
 16S1...8A...		28-24	RC-11S2000 on page...	RC-Z2504 B-B-01	AF8 B-B-01	M309 B-B-01	PA 1462-CA B-B-02	RC-Z2494 B-E-03	RC-Z2097 B-E-01
		26-20	RC-12S2000 on page...	RC-Z2504 B-B-01	AF8 B-B-01	M309 B-B-01	PA 1462-CA B-B-02	RC-Z2494 B-E-03	RC-Z2097 B-E-01
		20-18	RC-1KS2000 on page...	RC-Z2504 B-B-01	AF8 B-B-01	M309 B-B-01	PA 1462-CA B-B-02	RC-Z2494 B-E-03	RC-Z2097 B-E-01
		18-17	RC-1BS2000 on page...	RC-Z2504 B-B-01	AF8 B-B-01	M309 B-B-01	PA 1462-CA B-B-02	RC-Z2494 B-E-03	RC-Z2097 B-E-01
		28-24	RC-21S2000 on page...	RC-Z2130 B-B-01				RC-Z2494 B-E-03	RC-Z2097 B-E-01
		24-20	RC-22S2000 on page...	RC-Z2130 B-B-01				RC-Z2494 B-E-03	RC-Z2097 B-E-01

16 positions female

Connector Insert mating face	Contact picture	AWG size	Contact P/N	Crimp Tool	Crimp Tool	Crimp Tool	Crimp Tool	Ass'y Tool	Ass'y Tool
 16S1...RA		28-24	RC-6RS2000 on page...	RC-Z2504 B-B-01					RC-Z2274 B-E-02
		24-20	RC-6LS2000 on page...	RC-Z2504 B-B-01					RC-Z2274 B-E-02
		20-18	RC-6KS2000 on page...	RC-Z2504 B-B-01					RC-Z2274 B-E-02
		18-17	RC-67S2000 on page...	RC-Z2504 B-B-01					RC-Z2274 B-E-02

Gold plated crimp contacts (1 mm Ø)
for Connector inserts series RC/UC/TU/SSR/CA

17 positions male

Connector Insert mating face	Contact picture	AWG size	Contact P/N	Crimp Tool	Crimp Tool	Crimp Tool	Crimp Tool	Ass'y Tool	Ass'y Tool
 17P1...8A...		28-24	RC-11P2000 on page...	RC-Z2504 B-B-01	AF8 B-B-01	M309 B-B-01	PA 1462-CA B-B-02	RC-Z2494 B-E-03	RC-Z2097 B-E-01
		26-20	RC-12P2000 on page...	RC-Z2504 B-B-01	AF8 B-B-01	M309 B-B-01	PA 1462-CA B-B-02	RC-Z2494 B-E-03	RC-Z2097 B-E-01
		20-18	RC-1KP2000 on page...	RC-Z2504 B-B-01	AF8 B-B-01	M309 B-B-01	PA 1462-CA B-B-02	RC-Z2494 B-E-03	RC-Z2097 B-E-01
		18-17	RC-1BP2000 on page...	RC-Z2504 B-B-01	AF8 B-B-01	M309 B-B-01	PA 1462-CA B-B-02	RC-Z2494 B-E-03	RC-Z2097 B-E-01
		28-24	RC-21P2000 on page...	RC-Z2130 B-B-01				RC-Z2494 B-E-03	RC-Z2097 B-E-01
		24-20	RC-22P2000 on page...	RC-Z2130 B-B-01				RC-Z2494 B-E-03	RC-Z2097 B-E-01

17 positions male

Connector Insert mating face	Contact picture	AWG size	Contact P/N	Crimp Tool	Crimp Tool	Crimp Tool	Crimp Tool	Ass'y Tool	Ass'y Tool
 17P1N.RA  17P2N.RA discontinued connectors		28-24	RC-6RP2000 on page...	RC-Z2504 B-B-01					RC-Z2274 B-E-02
		24-20	RC-6LP2000 on page...	RC-Z2504 B-B-01					RC-Z2274 B-E-02
		20-18	RC-6KP2000 on page...	RC-Z2504 B-B-01					RC-Z2274 B-E-02
		18-17	RC-67P2000 on page...	RC-Z2504 B-B-01					RC-Z2274 B-E-02

Gold plated crimp contacts (1 mm Ø)
for Connector inserts series RC/UC/TU/SSR/CA

17 positions female

Connector Insert mating face	Contact picture	AWG size	Contact P/N	Crimp Tool	Crimp Tool	Crimp Tool	Crimp Tool	Ass'y Tool	Ass'y Tool
 17S1...8A...		28-24	RC-11S2000 on page...	RC-Z2504 B-B-01	AF8 B-B-01	M309 B-B-01	PA 1462-CA B-B-02	RC-Z2494 B-E-03	RC-Z2097 B-E-01
		26-20	RC-12S2000 on page...	RC-Z2504 B-B-01	AF8 B-B-01	M309 B-B-01	PA 1462-CA B-B-02	RC-Z2494 B-E-03	RC-Z2097 B-E-01
		20-18	RC-1KS2000 on page...	RC-Z2504 B-B-01	AF8 B-B-01	M309 B-B-01	PA 1462-CA B-B-02	RC-Z2494 B-E-03	RC-Z2097 B-E-01
		18-17	RC-1BS2000 on page...	RC-Z2504 B-B-01	AF8 B-B-01	M309 B-B-01	PA 1462-CA B-B-02	RC-Z2494 B-E-03	RC-Z2097 B-E-01
		28-24	RC-21S2000 on page...	RC-Z2130 B-B-01				RC-Z2494 B-E-03	RC-Z2097 B-E-01
		24-20	RC-22S2000 on page...	RC-Z2130 B-B-01				RC-Z2494 B-E-03	RC-Z2097 B-E-01

17 positions female

Connector Insert mating face	Contact picture	AWG size	Contact P/N	Crimp Tool	Crimp Tool	Crimp Tool	Crimp Tool	Ass'y Tool	Ass'y Tool
 17S1NRA  17S2NRA discontinued connectors		28-24	RC-6RS2000 on page...	RC-Z2504 B-B-01					RC-Z2274 B-E-02
		24-20	RC-6LS2000 on page...	RC-Z2504 B-B-01					RC-Z2274 B-E-02
		20-18	RC-6KS2000 on page...	RC-Z2504 B-B-01					RC-Z2274 B-E-02
		18-17	RC-67S2000 on page...	RC-Z2504 B-B-01					RC-Z2274 B-E-02

Gold plated crimp contacts (1 mm/1.5 mm Ø)
for Connector inserts series RC/UC/TU/SSR/CA

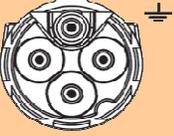
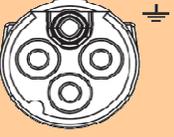
19 positions male									
Connector Insert mating face	Contact picture	AWG size	Contact P/N	Crimp Tool	Crimp Tool	Crimp Tool	Crimp Tool	Ass'y Tool	Ass'y Tool
 1RP1NRA PE-Contact		28-24 1 mm Ø	RC-6RP2000 on page...	RC-Z2504 B-B-01					RC-Z2274 B-E-02
		24-20 1 mm Ø	RC-6LP2000 on page...	RC-Z2504 B-B-01					RC-Z2274 B-E-02
		20-18 1 mm Ø	RC-6KP2000 on page...	RC-Z2504 B-B-01					RC-Z2274 B-E-02
		18-17 1 mm Ø	RC-67P2000 on page...	RC-Z2504 B-B-01					RC-Z2274 B-E-02
		18-17 1.5 mm Ø	RC-6EP2000 on page...	RC-Z2504 B-B-01					RC-Z2274 B-E-02
		18-17 1.5 mm Ø	RC-6FP2000 on page...	RC-Z2504 B-B-01					RC-Z2274 B-E-02
19 positions female									
Connector Insert mating face	Contact picture	AWG size	Contact P/N	Crimp Tool	Crimp Tool	Crimp Tool	Crimp Tool	Ass'y Tool	Ass'y Tool
 1RS1NRA PE-Contact		28-24 1 mm Ø	RC-6RS2000 on page...	RC-Z2504 B-B-01					RC-Z2274 B-E-02
		24-20 1 mm Ø	RC-6LS2000 on page...	RC-Z2504 B-B-01					RC-Z2274 B-E-02
		20-18 1 mm Ø	RC-6KS2000 on page...	RC-Z2504 B-B-01					RC-Z2274 B-E-02
		18-17 1 mm Ø	RC-67S2000 on page...	RC-Z2504 B-B-01					RC-Z2274 B-E-02
		18-17 1.5 mm Ø	RC-6ES2000 on page...	RC-Z2504 B-B-01					RC-Z2274 B-E-02
		18-17 1.5 mm Ø	RC-6FS2000 on page...	RC-Z2504 B-B-01					RC-Z2274 B-E-02

Gold plated crimp contacts (1 mm Ø)
for Connector inserts series HC

26 positions male									
Connector Insert mating face	Contact picture	AWG size	Contact P/N	Crimp Tool	Crimp Tool	Crimp Tool	Crimp Tool	Ass'y Tool	Ass'y Tool
 26P1NRA		28-24	RC-6RP2000 on page...	RC-Z2504 B-B-01					RC-Z2274 B-E-02
		24-20	RC-6LP2000 on page...	RC-Z2504 B-B-01					RC-Z2274 B-E-02
		20-18	RC-6KP2000 on page...	RC-Z2504 B-B-01					RC-Z2274 B-E-02
		18-17	RC-67P2000 on page...	RC-Z2504 B-B-01					RC-Z2274 B-E-02
26 positions female									
Connector Insert mating face	Contact picture	AWG size	Contact P/N	Crimp Tool	Crimp Tool	Crimp Tool	Crimp Tool	Ass'y Tool	Ass'y Tool
 26S1NRA		28-24	RC-6RS2000 on page...	RC-Z2504 B-B-01					RC-Z2274 B-E-02
		24-20	RC-6LS2000 on page...	RC-Z2504 B-B-01					RC-Z2274 B-E-02
		20-18	RC-6KS2000 on page...	RC-Z2504 B-B-01					RC-Z2274 B-E-02
		18-17	RC-67S2000 on page...	RC-Z2504 B-B-01					RC-Z2274 B-E-02

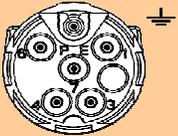
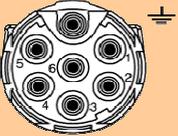
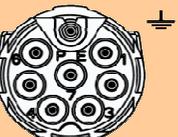
Gold plated crimp contacts (2 mm Ø)
for Connector inserts series ST



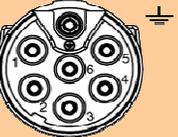
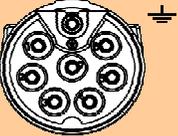
4 positions (3+PE) male								
Connector Insert mating face	Contact picture	AWG size	Contact P/N	Crimp Tool	Crimp Tool	Crimp Tool	Crimp Tool	Ass'y Tool
 ST-3EP1N8A		24-17	ST-20KP010 on page...	SF-Z0025 B-B-03	SF-Z0008 B-B-08	SF-Z0054 B-B-02A		
		17-14	ST-20KP020 on page...	SF-Z0025 B-B-03	SF-Z0008 B-B-08	SF-Z0054 B-B-02A		
4 positions (3+PE) female								
Connector Insert mating face	Contact picture	AWG size	Contact P/N	Crimp Tool	Crimp Tool	Crimp Tool	Crimp Tool	Ass'y Tool
 ST-3ES1N8A		24-17	ST-20KS010 on page...	SF-Z0025 B-B-03	SF-Z0008 B-B-08	SF-Z0054 B-B-02A		
		17-14	ST-20KS020 on page...	SF-Z0025 B-B-03	SF-Z0008 B-B-08	SF-Z0054 B-B-02A		

Gold plated crimp contacts (1 mm Ø)
for Connector inserts series ST

6 positions (5+PE) 7 positions (6+PE) 8 positions (7+PE) male

Connector Insert mating face	Contact picture	AWG size	Contact P/N	Crimp Tool	Crimp Tool				
 ST-5EP1N8A		28-24	SF-6CP2000 on page...	SF-Z0007 B-B-08		SF-Z0025 B-B-03	AF8/M309 B-B-01	PA-1462-CA B-B-02	SF-Z0022 B-B-08
		26-20	SF-10KP004 on page...	SF-Z0007 B-B-08	SF-Z0008 B-B-08	SF-Z0025 B-B-03	AF8/M309 B-B-01	PA-1462-CA B-B-02	SF-Z0022 B-B-08
 ST-6EP1N8A		20-17	SF-6AP2000 on page...	SF-Z0007 B-B-08	SF-Z0008 B-B-08	SF-Z0025 B-B-03	M309 B-B-01	PA-1443-CA B-B-02	SF-Z0022 B-B-08
		20-16	SF-6DP2000 on page...	SF-Z0007 B-B-08	SF-Z0008 B-B-08	SF-Z0025 B-B-03	M309 B-B-01	PA-1443-CA B-B-02	SF-Z0022 B-B-08
 ST-7EP1N8A		28-24	SF-6CP2000	SF-Z0007	SF-Z0008	SF-Z0054			
		26-20	SF-10KP2000 on page...	SF-Z0007 B-B-08	SF-Z0008 B-B-08	B-B-02A			
		20-17	SF-6KP2000 on page...	SF-Z0007 B-B-08					

6 positions (5+PE) 7 positions (6+PE) 8 positions (7+PE) female

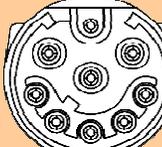
Connector Insert mating face	Contact picture	AWG size	Contact P/N	Crimp Tool	Crimp Tool	Crimp Tool	Crimp Tool	Crimp Tool	Crimp Tool
 ST-5ES1N8A		28-24	SF-6CS2000 on page...	SF-Z0007 B-B-08		SF-Z0025 B-B-03	AF8/M309 B-B-01	PA-1462-CA B-B-02	SF-Z0022 B-B-08
		26-20	SF-10KS004 on page...		SF-Z0008 B-B-08	SF-Z0025 B-B-03	AF8/M309 B-B-01	PA-1462-CA B-B-02	SF-Z0022 B-B-08
 ST-6ES1N8A		20-17	SF-6AS2000 on page...	SF-Z0007 B-B-08	SF-Z0008 B-B-08	SF-Z0025 B-B-03	AF8/M309 B-B-01	PA-1443-CA B-B-02	SF-Z0022 B-B-08
	 wire spring	26-17	SF-10KS010 on page...	SF-Z0007 B-B-08	SF-Z0008 B-B-08	SF-Z0025 B-B-03			SF-Z0022 B-B-08
 ST-7ES1N8A		28-24	SF-6CS2000 on page...	SF-Z0007 B-B-08	SF-Z0054 B-B-02A				
		24-20	SF-10KS004 on page...	SF-Z0008 B-B-08	SF-Z0025 B-B-03				

Gold plated crimp contacts (0.6/1.0 mm Ø)
for Connector inserts series ST

17 positions male

Connector Insert mating face	Contact picture	AWG size	Contact P/N	Crimp Tool				Crimp Tool	
 ST-17P1N8A		28-24	ST-06KP010 on page...	SF-Z0007 B-B-08				PA-1462-CA B-B-02	
		26-22	ST-06KP020 on page...	SF-Z0007 B-B-08				PA-1462-CA B-B-02	
		22-20	ST-06KP030 on page...	SF-Z0007 B-B-08				PA-1462-CA B-B-02	
 ST-08P1N8A		24-24	ST-10KP010	SF-Z0007 B-B-08					
		22-20	ST-10KP020	SF-Z0007 B-B-08					
		20-17	ST-10KP030	SF-Z0007 B-B-08					

17 positions female

Connector Insert mating face	Contact picture	AWG size	Contact P/N	Crimp Tool				Crimp Tool	
 ST-17S1N8A		28-24	ST-06KS010 on page...	SF-Z0007 B-B-08				PA-1462-CA B-B-02	
		26-22	ST-06KS020 on page...	SF-Z0007 B-B-08				PA-1462-CA B-B-02	
		22-20	ST-06KS030 on page...	SF-Z0007 B-B-08				PA-1462-CA B-B-02	
 ST-08S1N8A		28-24	ST-10KS010	SF-Z0008 B-B-08					
		22-20	ST-10KS020	SF-Z0008 B-B-08					
		20-17	ST-10KS030	SF-Z0008 B-B-08					

Gold plated crimp contacts (1 mm Ø)
for Connector inserts series RF

12 positions male

Connector Insert mating face	Contact picture	AWG size	Contact P/N	Crimp Tool	Crimp Tool	Crimp Tool	Crimp Tool	Crimp Tool	
 RF-12P1N8A RF-12P2N8A RF-12P1S8A RC-12P2S8A		28-24	SF-6CP2000 on page...	SF-Z0007 B-B-08		SF-Z0025 B-B-03	AF8/M309 B-B-01	PA-1462-CA B-B-02	
		26-20	SF-10KP004 on page...	SF-Z0007 B-B-08	SF-Z0008 B-B-08	SF-Z0025 B-B-03	AF8/M309 B-B-01	PA-1462-CA B-B-02	
		20-17	SF-6AP2000 on page...	SF-Z0007 B-B-08	SF-Z0008 B-B-08	SF-Z0025 B-B-03	M309 B-B-01	PA-1443-CA B-B-02	
		20-16	SF-6DP2000 on page...			SF-Z0025 B-B-03	M309 B-B-01	PA-1443-CA B-B-02	

12 positions female

Connector Insert mating face	Contact picture	AWG size	Contact P/N	Crimp Tool	Crimp Tool	Crimp Tool	Crimp Tool	Crimp Tool	
 RF-12S1N8A RF-12S2N8A RF-12S1S8A RF-12S2S8A		28-24	SF-6CS2000 on page...	SF-Z0007 B-B-08		SF-Z0025 B-B-03	AF8/M309 B-B-01	PA-1462-CA B-B-02	
		26-20	SF-10KS004 on page...		SF-Z0008 B-B-08	SF-Z0025 B-B-03	AF8/M309 B-B-01	PA-1462-CA B-B-02	
		20-17	SF-6AS2000 on page...	SF-Z0007 B-B-08	SF-Z0008 B-B-08	SF-Z0025 B-B-03	AF8/M309 B-B-01	PA-1443-CA B-B-02	
		20-16	SF-6FS2000 on page...			SF-Z0025 B-B-03	AF8/M309 B-B-01	PA-1443-CA B-B-02	
		26-17	SF-10KS010 on page...	SF-Z0007 B-B-08	SF-Z0008 B-B-08	SF-Z0025 B-B-03			
	wire spring								

Gold plated crimp contacts (1 mm Ø)
for Connector inserts series RF

16/17 positions male

Connector Insert mating face	Contact picture	AWG size	Contact P/N	Crimp Tool	Crimp Tool	Crimp Tool	Crimp Tool	Crimp Tool	
 RF-16P1N8A RF-16P2N8A RF-17P1N8A RF-17P2N8A RF-17P1S8A RF-17P2S8A		28-24	SF-6CP2000 on page...	SF-Z0007 B-B-08		SF-Z0025 B-B-03	AF8/M309 B-B-01	PA-1462-CA B-B-02	
		26-20	SF-10KP004 on page...	SF-Z0007 B-B-08	SF-Z0008 B-B-08	SF-Z0025 B-B-03	AF8/M309 B-B-01	PA-1462-CA B-B-02	
		20-17	SF-6AP2000 on page...	SF-Z0007 B-B-08	SF-Z0008 B-B-08	SF-Z0025 B-B-03	M309 B-B-01	PA-1443-CA B-B-02	
		20-16	SF-6DP2000 on page...			SF-Z0025 B-B-03	M309 B-B-01	PA-1443-CA B-B-02	

16/17 positions female

Connector Insert mating face	Contact picture	AWG size	Contact P/N	Crimp Tool	Crimp Tool	Crimp Tool	Crimp Tool	Crimp Tool	
 RF-16S1N8A RF-16S2N8A RF-17S1N8A RF-17S2N8A RF-17S1S8A RF-17S2S8A		28-24	SF-6CS2000 on page...	SF-Z0007 B-B-08		SF-Z0025 B-B-03	AF8/M309 B-B-01	PA-1462-CA B-B-02	
		26-20	SF-10KS004 on page...		SF-Z0008 B-B-08	SF-Z0025 B-B-03	AF8/M309 B-B-01	PA-1462-CA B-B-02	
		20-17	SF-6AS2000 on page...	SF-Z0007 B-B-08	SF-Z0008 B-B-08	SF-Z0025 B-B-03	AF8/M309 B-B-01	PA-1443-CA B-B-02	
		20-16	SF-6FS2000 on page...			SF-Z0025 B-B-03	AF8/M309 B-B-01	PA-1443-CA B-B-02	
	 wire spring	26-17	SF-10KS010 on page...	SF-Z0007 B-B-08	SF-Z0008 B-B-08	SF-Z0025 B-B-03			

Gold plated crimp contacts (2 mm Ø)
for Connectors series SF

6 positions (5+PE) male SF-5EP1N8A...

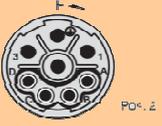
Connector Insert mating face	Contact picture	AWG size	Contact P/N			Crimp Tool	Crimp Tool	Crimp Tool
2 mm Ø contacts Panel connectors Cable connectors 		26-24	SF-7RP2000 on page...			SF-Z0025 B-B-03	AF8/M309 B-B-01	PA-1462-CA B-B-02
		24-17	SF-7PP2000 on page...			SF-Z0025 B-B-03	AF8/M309 B-B-01	PA-1462-CA B-B-02
		18-16	SF-20KP004 on page...			SF-Z0025 B-B-03		
		17-14	SF-7QP2000 on page...			SF-Z0025 B-B-03	AF8/M309 B-B-01	PA-1443-CA B-B-02
		12	SF-7MP2000 on page...			SF-Z0025 B-B-03	AF8 B-B-01	PA-1443-CA B-B-02

6 positions (5+PE) female SF-5ES1N8A...

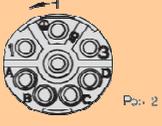
Connector Insert mating face	Contact picture	AWG size	Contact P/N			Crimp Tool	Crimp Tool	Crimp Tool
2 mm Ø contacts Panel connectors Cable connectors 		24-17	SF-7PS2000 on page...			SF-Z0025 B-B-03	AF8/M309 B-B-01	PA-1462-CA B-B-02
		18-16	SF-7NS2000 on page...			SF-Z0025 B-B-03	AF8/M309 B-B-01	PA-1462-CA B-B-02
		17-14	SF-7QS2000 on page...			SF-Z0025 B-B-03	AF8/M309 B-B-01	PA-1443-CA B-B-02
		12	SF-7MS2000 on page...			SF-Z0025 B-B-03	AF8 B-B-01	PA-1443-CA B-B-02
		18-14	SF-20KS010 on page...			SF-Z0025 B-B-03		

Gold plated crimp contacts (2 mm Ø)
for Connectors series SF

8 positions (7+PE) male SF-7EP1N8A...

Connector Insert mating face	Contact picture	AWG size	Contact P/N			Crimp Tool	Crimp Tool	Crimp Tool
2 mm Ø contacts Panel connectors Cable connectors 		26-24	SF-7RP2000 on page...			SF-Z0025 B-B-03	AF8/M309 B-B-01	PA-1462-CA B-B-02
		24-17	SF-7PP2000 on page...			SF-Z0025 B-B-03	AF8/M309 B-B-01	PA-1462-CA B-B-02
		18-16	SF-20KP004 on page...			SF-Z0025 B-B-03		
		17-14	SF-7QP2000 on page...			SF-Z0025 B-B-03	AF8/M309 B-B-01	PA-1443-CA B-B-02
		12	SF-7MP2000 on page...			SF-Z0025 B-B-03	AF8 B-B-01	PA-1443-CA B-B-02

8 positions (7+PE) female SF-7ES1N8A...

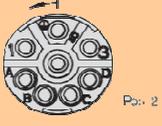
Connector Insert mating face	Contact picture	AWG size	Contact P/N			Crimp Tool	Crimp Tool	Crimp Tool
2 mm Ø contacts Panel connectors Cable connectors 		24-17	SF-7PS2000 on page...			SF-Z0025 B-B-03	AF8/M309 B-B-01	PA-1462-CA B-B-02
		18-16	SF-7NS2000 on page...			SF-Z0025 B-B-03	AF8/M309 B-B-01	PA-1462-CA B-B-02
		17-14	SF-7QS2000 on page...			SF-Z0025 B-B-03	AF8/M309 B-B-01	PA-1443-CA B-B-02
		12	SF-7MS2000 on page...			SF-Z0025 B-B-03	AF8 B-B-01	PA-1443-CA B-B-02
	 wire spring	18-14	SF-20KS010 on page...			SF-Z0025 B-B-03		

Gold plated crimp contacts (1 mm Ø)
for Connectors series SF

8 positions (7+PE) male SF-7EP1N8A...

Connector Insert mating face	Contact picture	AWG size	Contact P/N	Crimp Tool	Crimp Tool	Crimp Tool	Crimp Tool	Crimp Tool
1 mm Ø contacts Panel connectors Cable connectors 		28-24	SF-6CP2000 on page...	SF-Z0007 B-B-08		SF-Z0025 B-B-03	AF8/M309 B-B-01	PA-1462-CA B-B-02
		26-20	SF-10KP004 on page...	SF-Z0007 B-B-08	SF-Z0008 B-B-08	SF-Z0025 B-B-03	AF8/M309 B-B-01	PA-1462-CA B-B-02
		20-17	SF-6AP2000 on page...	SF-Z0007 B-B-08	SF-Z0008 B-B-08	SF-Z0025 B-B-03	M309 B-B-01	PA-1443-CA B-B-02
		20-16	SF-6DP2000 on page...			SF-Z0025 B-B-03	M309 B-B-01	PA-1443-CA B-B-02

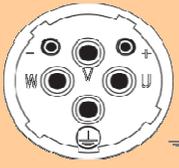
8 positions (7+PE) female SF-7ES1N8A...

Connector Insert mating face	Contact picture	AWG size	Contact P/N	Crimp Tool	Crimp Tool	Crimp Tool	Crimp Tool	Crimp Tool
1 mm Ø contacts Panel connectors Cable connectors 		28-24	SF-6CS2000 on page...	SF-Z0007 B-B-08		SF-Z0025 B-B-03	AF8/M309 B-B-01	PA-1462-CA B-B-02
		26-20	SF-10KS004 on page...		SF-Z0008 B-B-08	SF-Z0025 B-B-03	AF8/M309 B-B-01	PA-1462-CA B-B-02
		20-17	SF-6AS2000 on page...	SF-Z0007 B-B-08	SF-Z0008 B-B-08	SF-Z0025 B-B-03	AF8/M309 B-B-01	PA-1443-CA B-B-02
		20-16	SF-6FS2000 on page...			SF-Z0025 B-B-03	AF8/M309 B-B-01	PA-1443-CA B-B-02
		26-17	SF-10KS010 on page...	SF-Z0007 B-B-08	SF-Z0008 B-B-08	SF-Z0025 B-B-03		

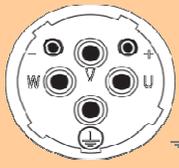
Gold plated crimp contacts (2 mm Ø)
for Connectors series SM



6 positions (2+3+PE) male SM-5EP1N8A...

Connector Insert mating face	Contact picture	AWG size	Contact P/N		Crimp Tool	Crimp Tool	
<p>2 mm Ø contacts Cable connectors</p>  		24-17	SM-20KP006 on page...		SF-Z0008 B-B-08	SF-Z0025 B-B-03	
		18-16	SM-20KP005 on page...		SF-Z0008 B-B-08	SF-Z0025 B-B-03	
		17-14	SM-20KP007 on page...		SF-Z0008 B-B-08	SF-Z0025 B-B-03	
		12	SM-20KP008 on page...		SF-Z0008 B-B-08	SF-Z0025 B-B-03	

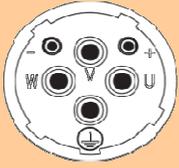
6 positions (2+3+PE) male SM-5EPWN8A...

Connector Insert mating face	Contact picture	AWG size	Contact P/N	Crimp Tool	Crimp Tool	Crimp Tool	
<p>2 mm Ø contacts Panel connectors</p>  		26-24	SF-7RP2000 on page...	RC-Z2504 B-B-01	SF-Z0008 B-B-08	SF-Z0025 B-B-03	
		24-17	SF-7PP2000 on page...	RC-Z2504 B-B-01	SF-Z0008 B-B-08	SF-Z0025 B-B-03	
		18-16	SF-20KP004 on page...	RC-Z2504 B-B-01	SF-Z0008 B-B-08	SF-Z0025 B-B-03	
		17-14	SF-7QP2000 on page...	RC-Z2504 B-B-01	SF-Z0008 B-B-08	SF-Z0025 B-B-03	
		12	SF-7MP2000 on page...	RC-Z2504 B-B-01	SF-Z0008 B-B-08	SF-Z0025 B-B-03	

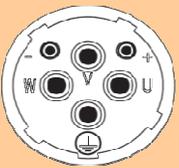
**Gold plated crimp contacts (3.6 mm Ø)
for Connectors series SM**



6 positions (2+3+PE) male SM-5EP1N8A...

Connector Insert mating face	Contact picture	AWG size	Contact P/N		Crimp Tool	Crimp Tool	
3.6 mm Ø contacts Cable connectors  		17-14	SM-36KP005 on page...		SF-Z0008 B-B-08	SF-Z0025 B-B-03	
		14-12	SM-36KP006 on page...		SF-Z0008 B-B-08	SF-Z0025 B-B-03	
		12-10	SM-36KP008 on page...		SF-Z0008 B-B-08	SF-Z0025 B-B-03	
		10-8	SM-36KP007 on page...		SF-Z0009 B-B-12	SF-Z0026 B-B-03	

6 positions (2+3+PE) male SM-5EPWN8A...

Connector Insert mating face	Contact picture	AWG size	Contact P/N		Crimp Tool	Crimp Tool	
3.6 mm Ø contacts Panel connectors  		18-16	SM-36KP001 on page...		SF-Z0008 B-B-08	SF-Z0025 B-B-03	
		17-14	SM-36KP009 on page...		SF-Z0008 B-B-08	SF-Z0025 B-B-03	
		17-12	SM-36KP002 on page...		SF-Z0008 B-B-08	SF-Z0025 B-B-03	
		12-10	SM-36KP003 on page...		SF-Z0008 B-B-08	SF-Z0025 B-B-03	
		10-8	SM-36KP004 on page...		SF-Z0009 B-B-12	SF-Z0026 B-B-03	

Gold plated crimp contacts (2 mm Ø)
for Connectors series SM



6 positions (2+3+PE) female SM-5ES1N8A...

Connector Insert mating face	Contact picture	AWG size	Contact P/N		Crimp Tool	Crimp Tool	
<p>2 mm Ø contacts Cable connectors</p>		24-17	SF-7PS2000 on page...		SF-Z0008 B-B-08	SF-Z0025 B-B-03	
		18-16	SF-7NS2000 on page...		SF-Z0008 B-B-08	SF-Z0025 B-B-03	
		17-14	SF-7QS2000 on page...		SF-Z0008 B-B-08	SF-Z0025 B-B-03	
		12	SF-7MS2000 on page...		SF-Z0008 B-B-08	SF-Z0025 B-B-03	

6 positions (2+3+PE) female SM-5ES1N8A...

Connector Insert mating face	Contact picture	AWG size	Contact P/N		Crimp Tool	Crimp Tool	
<p>2 mm Ø contacts Panel connectors</p>		24-17	SF-7PS2000 on page...		SF-Z0008 B-B-08	SF-Z0025 B-B-03	
		18-16	SF-7NS2000 on page...		SF-Z0008 B-B-08	SF-Z0025 B-B-03	
		17-14	SF-7QS2000 on page...		SF-Z0008 B-B-08	SF-Z0025 B-B-03	
		12	SF-7MS2000 on page...		SF-Z0008 B-B-08	SF-Z0025 B-B-03	

Gold plated crimp contacts (3.6 mm Ø)
for Connectors series SM



6 positions (2+3+PE) female SM-5ES1N8A...

Connector Insert mating face	Contact picture	AWG size	Contact P/N		Crimp Tool	Crimp Tool	
<p>3.6 mm Ø contacts Cable connectors</p>		17-14	SM-36KS001 on page...		SF-Z0008 B-B-08	SF-Z0025 B-B-03	
		14-12	SM-36KS002 on page...		SF-Z0008 B-B-08	SF-Z0025 B-B-03	
		12-10	SM-36KS003 on page...		SF-Z0008 B-B-08	SF-Z0025 B-B-03	
		10-6	SM-36KS004 on page...		SF-Z0009 B-B-12	SF-Z0026 B-B-03	

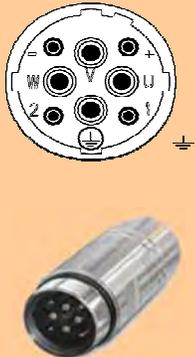
6 positions (2+3+PE) female SM-5ES1N8A...

Connector Insert mating face	Contact picture	AWG size	Contact P/N		Crimp Tool	Crimp Tool	
<p>3.6 mm Ø contacts Panel connectors</p>		17-14	SM-36KS001 on page...		SF-Z0008 B-B-08	SF-Z0025 B-B-03	
		14-12	SM-36KS002 on page...		SF-Z0008 B-B-08	SF-Z0025 B-B-03	
		12-10	SM-36KS003 on page...		SF-Z0008 B-B-08	SF-Z0025 B-B-03	
		10-6	SM-36KS004 on page...		SF-Z0009 B-B-12	SF-Z0026 B-B-03	

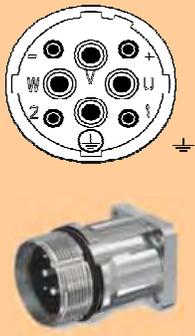
Gold plated crimp contacts (2 mm Ø)
for Connectors series SM



8 positions (4+3+PE) male SM-7EP1N8A...

Connector Insert mating face	Contact picture	AWG size	Contact P/N		Crimp Tool	Crimp Tool	
<p>2 mm Ø contacts Cable connectors</p> 		24-17	SM-20KP006 on page...		SF-Z0008 B-B-08	SF-Z0025 B-B-03	
		18-16	SM-20KP005 on page...		SF-Z0008 B-B-08	SF-Z0025 B-B-03	
		17-14	SM-20KP007 on page...		SF-Z0008 B-B-08	SF-Z0025 B-B-03	
		12	SM-20KP008 on page...		SF-Z0008 B-B-08	SF-Z0025 B-B-03	

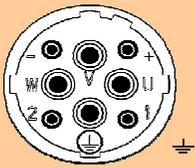
8 positions (4+3+PE) male SM-7EPWN8A...

Connector Insert mating face	Contact picture	AWG size	Contact P/N	Crimp Tool	Crimp Tool	Crimp Tool	
<p>2 mm Ø contacts Panel connectors</p> 		26-24	SF-7RP2000 on page...	RC-Z2504 B-B-01	SF-Z0008 B-B-08	SF-Z0025 B-B-03	
		24-17	SF-7PP2000 on page...	RC-Z2504 B-B-01	SF-Z0008 B-B-08	SF-Z0025 B-B-03	
		18-16	SF-20KP004 on page...	RC-Z2504 B-B-01	SF-Z0008 B-B-08	SF-Z0025 B-B-03	
		17-14	SF-7QP2000 on page...	RC-Z2504 B-B-01	SF-Z0008 B-B-08	SF-Z0025 B-B-03	
		12	SF-7MP2000 on page...	RC-Z2504 B-B-01	SF-Z0008 B-B-08	SF-Z0025 B-B-03	

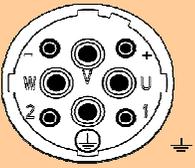
**Gold plated crimp contacts (3.6 mm Ø)
for Connectors series SM**



8 positions (4+3+PE) male SM-7EP1N8A...

Connector Insert mating face	Contact picture	AWG size	Contact P/N		Crimp Tool	Crimp Tool	
<p>3.6 mm Ø contacts Cable connectors</p>  		17-14	SM-36KP005 on page...		SF-Z0008 B-B-08	SF-Z0025 B-B-03	
		14-12	SM-36KP006 on page...		SF-Z0008 B-B-08	SF-Z0025 B-B-03	
		12-10	SM-36KP008 on page...		SF-Z0008 B-B-08	SF-Z0025 B-B-03	
		10-8	SM-36KP007 on page...		SF-Z0009 B-B-12	SF-Z0026 B-B-03	

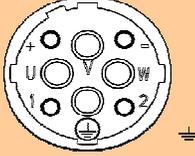
8 positions (4+3+PE) male SM-7EPWN8A...

Connector Insert mating face	Contact picture	AWG size	Contact P/N		Crimp Tool	Crimp Tool	
<p>3.6 mm Ø contacts Panel connectors</p>  		18-16	SM-36KP001 on page...		SF-Z0008 B-B-08	SF-Z0025 B-B-03	
		17-14	SM-36KP009 on page...		SF-Z0008 B-B-08	SF-Z0025 B-B-03	
		17-12	SM-36KP002 on page...		SF-Z0008 B-B-08	SF-Z0025 B-B-03	
		12-10	SM-36KP003 on page...		SF-Z0008 B-B-08	SF-Z0025 B-B-03	
		10-8	SM-36KP004 on page...		SF-Z0009 B-B-12	SF-Z0026 B-B-03	

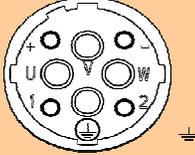
Gold plated crimp contacts (2 mm Ø)
for Connectors series SM



8 positions (4+3+PE) female SM-7ES1N8A...

Connector Insert mating face	Contact picture	AWG size	Contact P/N		Crimp Tool	Crimp Tool	
<p>2 mm Ø contacts Cable connectors</p>  		24-17	SF-7PS2000 on page...		SF-Z0008 B-B-08	SF-Z0025 B-B-03	
		18-16	SF-7NS2000 on page...		SF-Z0008 B-B-08	SF-Z0025 B-B-03	
		17-14	SF-7QS2000 on page...		SF-Z0008 B-B-08	SF-Z0025 B-B-03	
		12	SF-7MS2000 on page...		SF-Z0008 B-B-08	SF-Z0025 B-B-03	

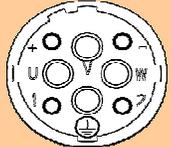
8 positions (4+3+PE) female SM-7ES1N8A...

Connector Insert mating face	Contact picture	AWG size	Contact P/N		Crimp Tool	Crimp Tool	
<p>2 mm Ø contacts Panel connectors</p>  		24-17	SF-7PS2000 on page...		SF-Z0008 B-B-08	SF-Z0025 B-B-03	
		18-16	SF-7NS2000 on page...		SF-Z0008 B-B-08	SF-Z0025 B-B-03	
		17-14	SF-7QS2000 on page...		SF-Z0008 B-B-08	SF-Z0025 B-B-03	
		12	SF-7MS2000 on page...		SF-Z0008 B-B-08	SF-Z0025 B-B-03	

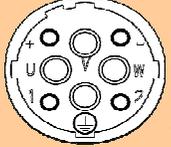
Gold plated crimp contacts (3.6 mm Ø)
for Connectors series SM



8 positions (4+3+PE) female SM-7ES1N8A...

Connector Insert mating face	Contact picture	AWG size	Contact P/N		Crimp Tool	Crimp Tool	
<p>3.6 mm Ø contacts Cable connectors</p>  		17-14	SM-36KS001 on page...		SF-Z0008 B-B-08	SF-Z0025 B-B-03	
		14-12	SM-36KS002 on page...		SF-Z0008 B-B-08	SF-Z0025 B-B-03	
		12-10	SM-36KS003 on page...		SF-Z0008 B-B-08	SF-Z0025 B-B-03	
		10-6	SM-36KS004 on page...		SF-Z0009 B-B-12	SF-Z0026 B-B-03	

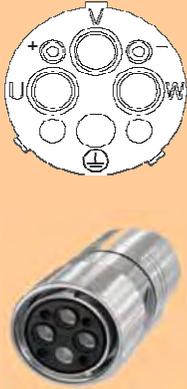
8 positions (4+3+PE) female SM-7ES1N8A...

Connector Insert mating face	Contact picture	AWG size	Contact P/N		Crimp Tool	Crimp Tool	
<p>3.6 mm Ø contacts Panel connectors</p>  		17-14	SM-36KS001 on page...		SF-Z0008 B-B-08	SF-Z0025 B-B-03	
		14-12	SM-36KS002 on page...		SF-Z0008 B-B-08	SF-Z0025 B-B-03	
		12-10	SM-36KS003 on page...		SF-Z0008 B-B-08	SF-Z0025 B-B-03	
		10-6	SM-36KS004 on page...		SF-Z0009 B-B-12	SF-Z0026 B-B-03	

**Gold plated crimp contacts (1.6 mm/10.0 mm Ø)
for Connectors series SL**



6 positions (2+3+PE) female SL-5ES1N8A...

Connector Insert mating face	Contact picture	AWG size	Contact P/N	Crimp Tool	Crimp Stamp	Crimp Tool
1.6 mm Ø contacts 10.0 mm Ø contacts 		18-16 1.6 mm Ø	SL16KS010 on page...			SF-Z0025 B-B-03
		8	SL-1CKS010 on page...	SL-Z0001 B-B-15	SL-Z0002 B-B-15	
		6	SL-1CKS020 on page...	SL-Z0001 B-B-15	SL-Z0003 B-B-15	
		4	SL-1CKS030 on page...	SL-Z0001 B-B-15	SL-Z0004 SL-Z0003 B-B-15	
		2	SL-1CKS040 on page...	SL-Z0001 B-B-15	SL-Z0004 SL-Z0003 B-B-15	
		1	SL-1CKS050 on page...	SL-Z0001 B-B-15	SL-Z0004 B-B-15	

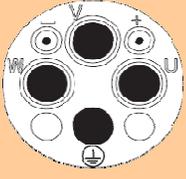
8 positions (4+3+PE) female SL-7ES1N8A...

Connector Insert mating face	Contact picture	AWG size	Contact P/N	Crimp Tool	Crimp Stamp	Crimp Tool
1.6 mm Ø contacts 10.0 mm Ø contacts 		18-16 1.6 mm Ø	SL16KS010 on page...			SF-Z0025 B-B-03
		8	SL-1CKS010 on page...	SL-Z0001 B-B-15	SL-Z0002 B-B-15	
		6	SL-1CKS020 on page...	SL-Z0001 B-B-15	SL-Z0003 B-B-15	
		4	SL-1CKS030 on page...	SL-Z0001 B-B-15	SL-Z0004 SL-Z0003 B-B-15	
		2	SL-1CKS040 on page...	SL-Z0001 B-B-15	SL-Z0004 SL-Z0003 B-B-15	
		1	SL-1CKS050 on page...	SL-Z0001 B-B-15	SL-Z0004 B-B-15	

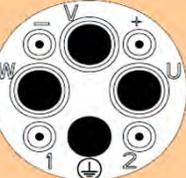
**Gold plated crimp contacts (1.6 mm/10.0 mm Ø)
for Connectors series SL**



6 positions (2+3+PE) male SL-5EP1N8A...

Connector Insert mating face	Contact picture	AWG size	Contact P/N	Crimp Tool	Crimp Stamp	Crimp Tool
1.6 mm Ø contacts 10.0 mm Ø contacts  		18-16 1.6 mm Ø	SL16KP010 on page...			SF-Z0025 B-B-03
		8	SL-1CKP010 on page...	SL-Z0001 B-B-15	SL-Z0002 B-B-15	
		6	SL-1CKP020 on page...	SL-Z0001 B-B-15	SL-Z0003 B-B-15	
		4	SL-1CKP030 on page...	SL-Z0001 B-B-15	SL-Z0004 SL-Z0003 B-B-15	
		2	SL-1CKP040 on page...	SL-Z0001 B-B-15	SL-Z0004 SL-Z0003 B-B-15	
		1	SL-1CKP050 on page...	SL-Z0001 B-B-15	SL-Z0004 B-B-15	

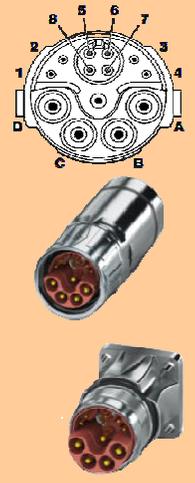
8 positions (4+3+PE) male SL-7EP1N8A...

Connector Insert mating face	Contact picture	AWG size	Contact P/N	Crimp Tool	Crimp Stamp	Crimp Tool
1.6 mm Ø contacts 10.0 mm Ø contacts  		18-16 1.6 mm Ø	SL16KP010 on page...			SF-Z0025 B-B-03
		8	SL-1CKP010 on page...	SL-Z0001 B-B-15	SL-Z0002 B-B-15	
		6	SL-1CKP020 on page...	SL-Z0001 B-B-15	SL-Z0003 B-B-15	
		4	SL-1CKP030 on page...	SL-Z0001 B-B-15	SL-Z0004 SL-Z0003 B-B-15	
		2	SL-1CKP040 on page...	SL-Z0001 B-B-15	SL-Z0004 SL-Z0003 B-B-15	
		1	SL-1CKP050 on page...	SL-Z0001 B-B-15	SL-Z0004 B-B-15	

Gold plated crimp contacts (0.8 mm/1.0 mm/2.0 Ø)
for Connectors series SH

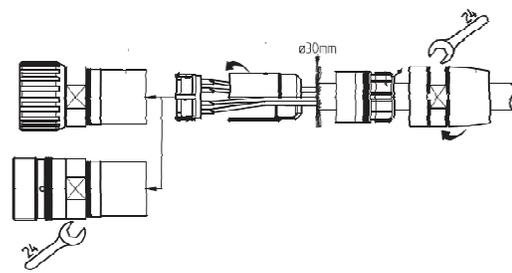
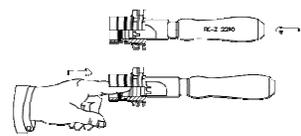
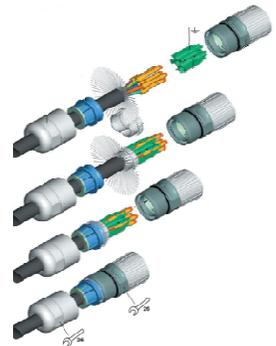
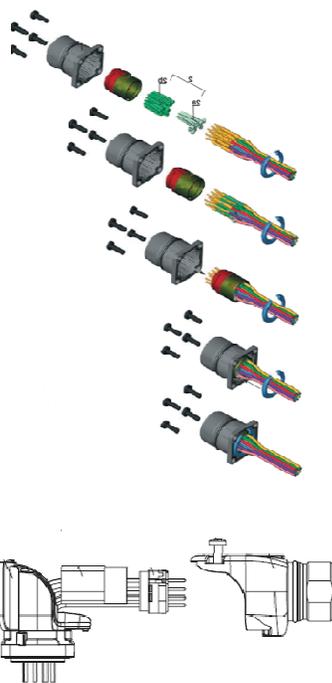


13 positions (4+PE+4signal+4data) or(4+PE+8signal) male

Connector Insert mating face	Contact picture	AWG size	Contact P/N	Crimp Tool	Crimp Stamp	Crimp Tool
0.8 mm Ø contacts 1.0 mm Ø contacts 2.0 mm Ø contacts 		40-24 0.8 mm Ø	SF-08KP010 on page...	SF-Z0054 B-B-02A/B		
		22-20 0.8 mm Ø	SF-08KP020 on page...	SF-Z0054 B-B-02A/B		
		40-24 22-20 1.0 mm Ø	ST-10KP010 ST-10KP020 on page...	SF-Z0054 SF-Z0054 B-B-02A/B		
		20-17 1.0 mm Ø	ST-10KP030 on page...	SF-Z0054 B-B-02A/B		
		24-17 17-14 2.0 mm Ø	SF-20KP021 SF-20KP022 on page...	SF-Z0054 SF-Z0054 B-B-02A/B		
		14-12 2.0 mm Ø	SF-20KP023 on page...	SF-Z0054 B-B-02A/B		

13 positions (4+PE+4signal+4data) or(4+PE+8signal) female

Connector Insert mating face	Contact picture	AWG size	Contact P/N	Crimp Tool	Crimp Stamp	Crimp Tool
0.8 mm Ø contacts 1.0 mm Ø contacts 2.0 mm Ø contacts 		40-24 0.8 mm Ø	SF-08KS010 on page...	SF-Z0054 B-B-02A/B		
		22-20 0.8 mm Ø	SF-08KS020 on page...	SF-Z0054 B-B-02A/B		
		40-24 22-20 1.0 mm Ø	ST-10KS010 ST-10KS020 on page...	SF-Z0054 SF-Z0054 B-B-02A/B		
		20-17 1.0 mm Ø	ST-10KS030 on page...	SF-Z0054 B-B-02A/B		
		24-17 17-14 2.0 mm Ø	SF-20KS021 SF-20KS022 on page...	SF-Z0054 SF-Z0054 B-B-02A/B		
		14-12 2.0 mm Ø	SF-20KS023 on page...	SF-Z0054 B-B-02A/B		

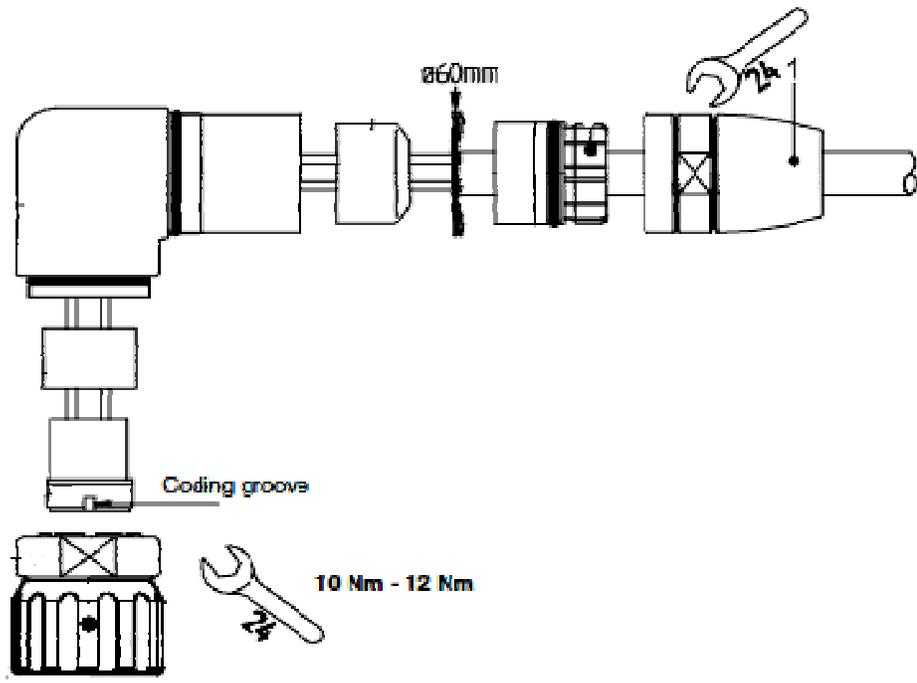
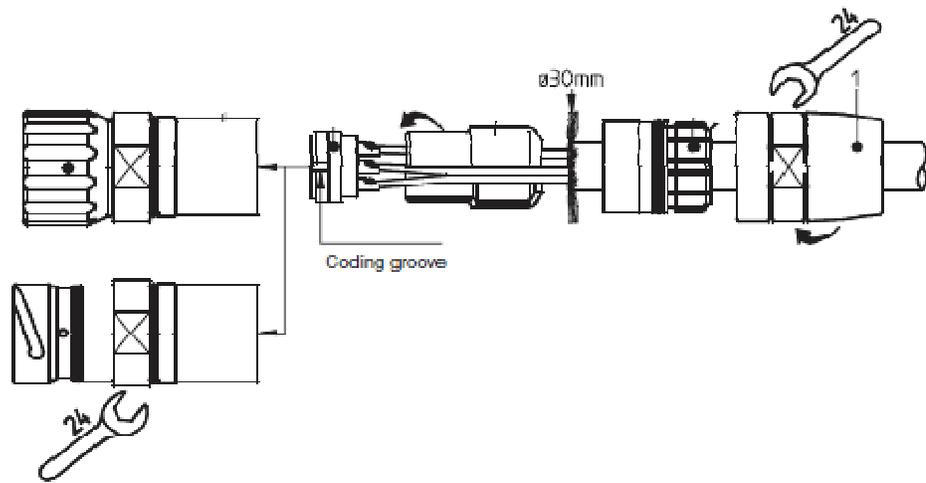


Member of the Phoenix Contact Group

Assembly Instructions

Assembly Instructions for all Connectors in this Catalog

Assembly Instructions
TU-Connectors style 8, R, 9, F, N, T

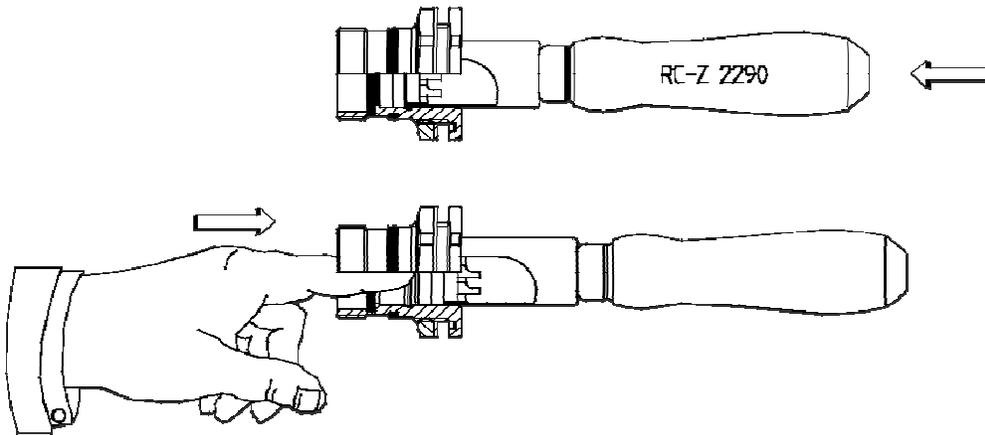


Assembly Instructions

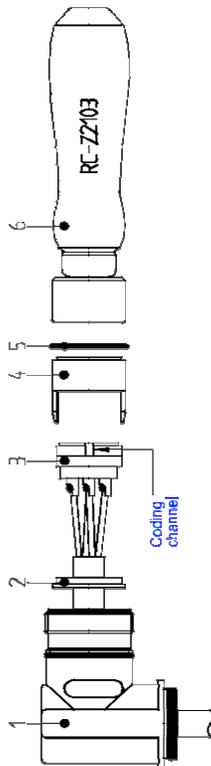
RC-Connectors panel mount straight/angled



Insert assembly of RC Connectors style 2, 4, 5, 6, E, H, W, Y, 6R



Insert assembly of RC Connectors style A0....A6



Assembly Instruction

Inserts male or female

Slide insert include the snap ring into the back side of the housing until the insert with the snap ring "clicks" into position.

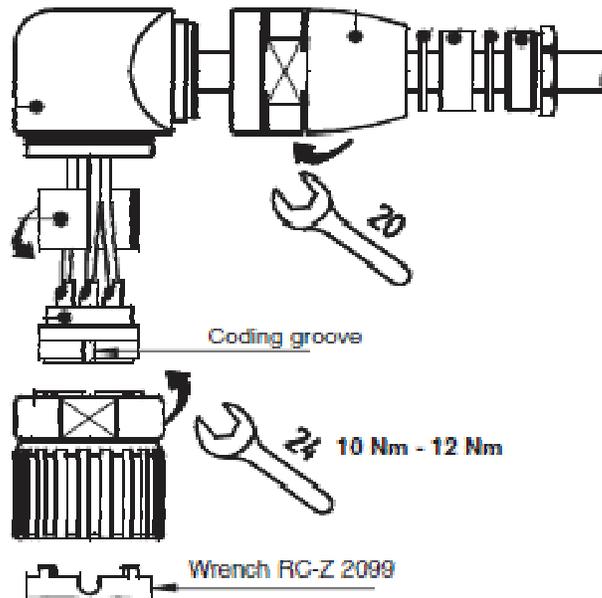
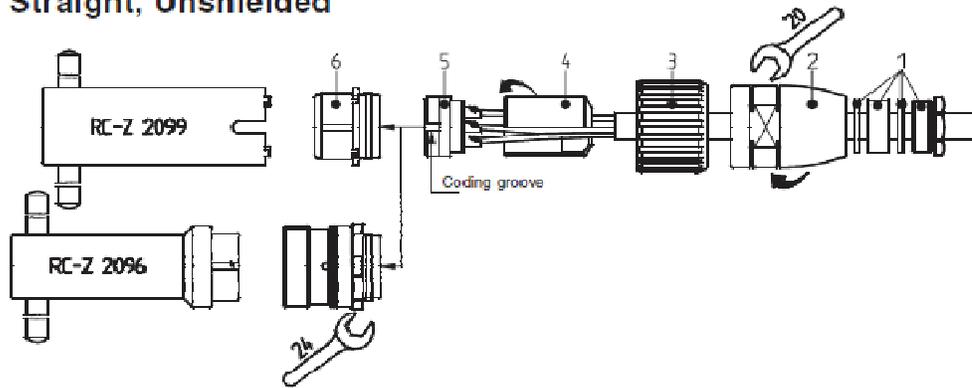
Caution: The desired coding channel of the insert must be aligned to the coding rib of the connector housing.

Insert with mounted snap ring

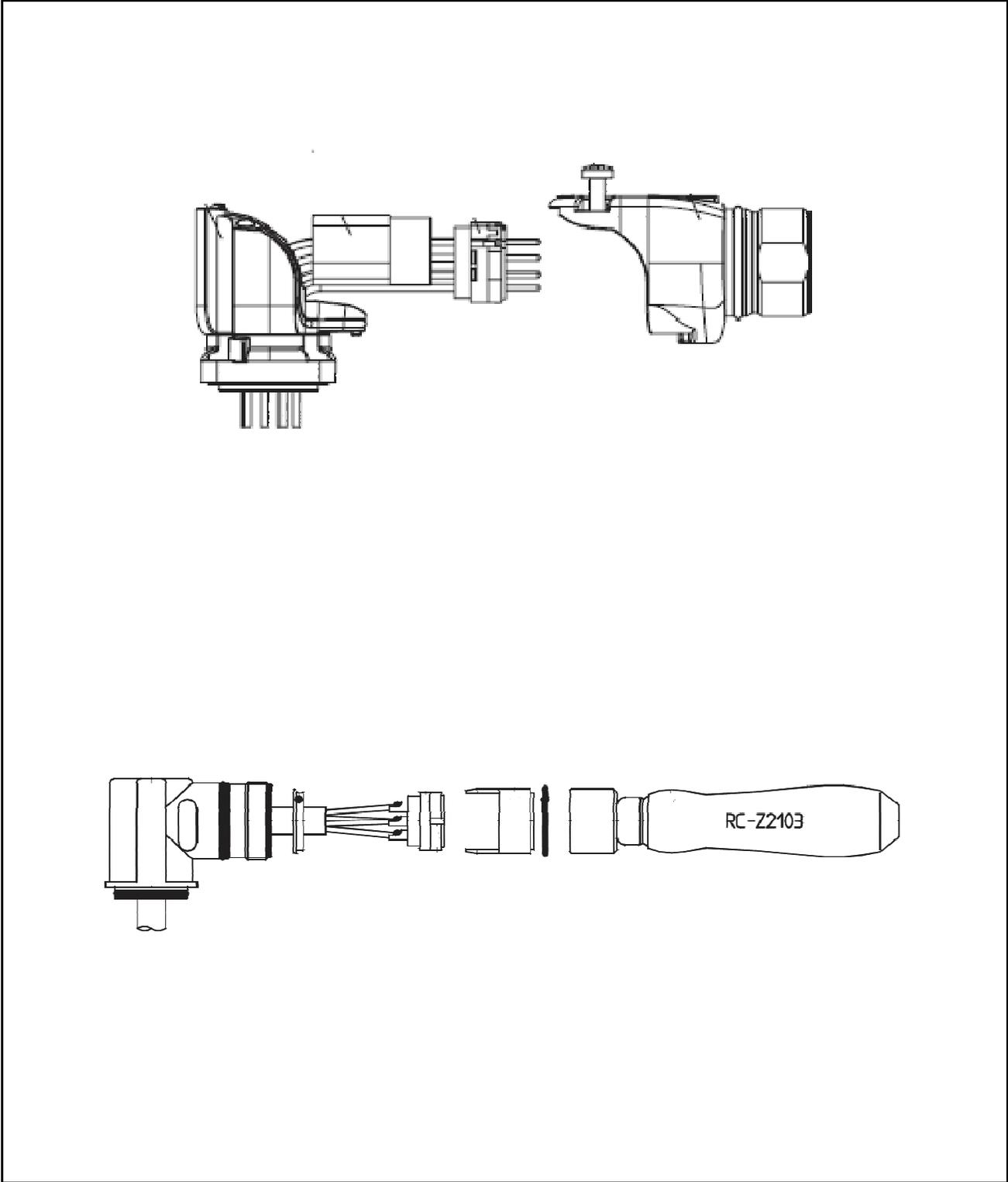
snap ring

Assembly Instructions
RC-Connectors style 1,7,L,J,3,U,G,P,Z

Straight, Unshielded

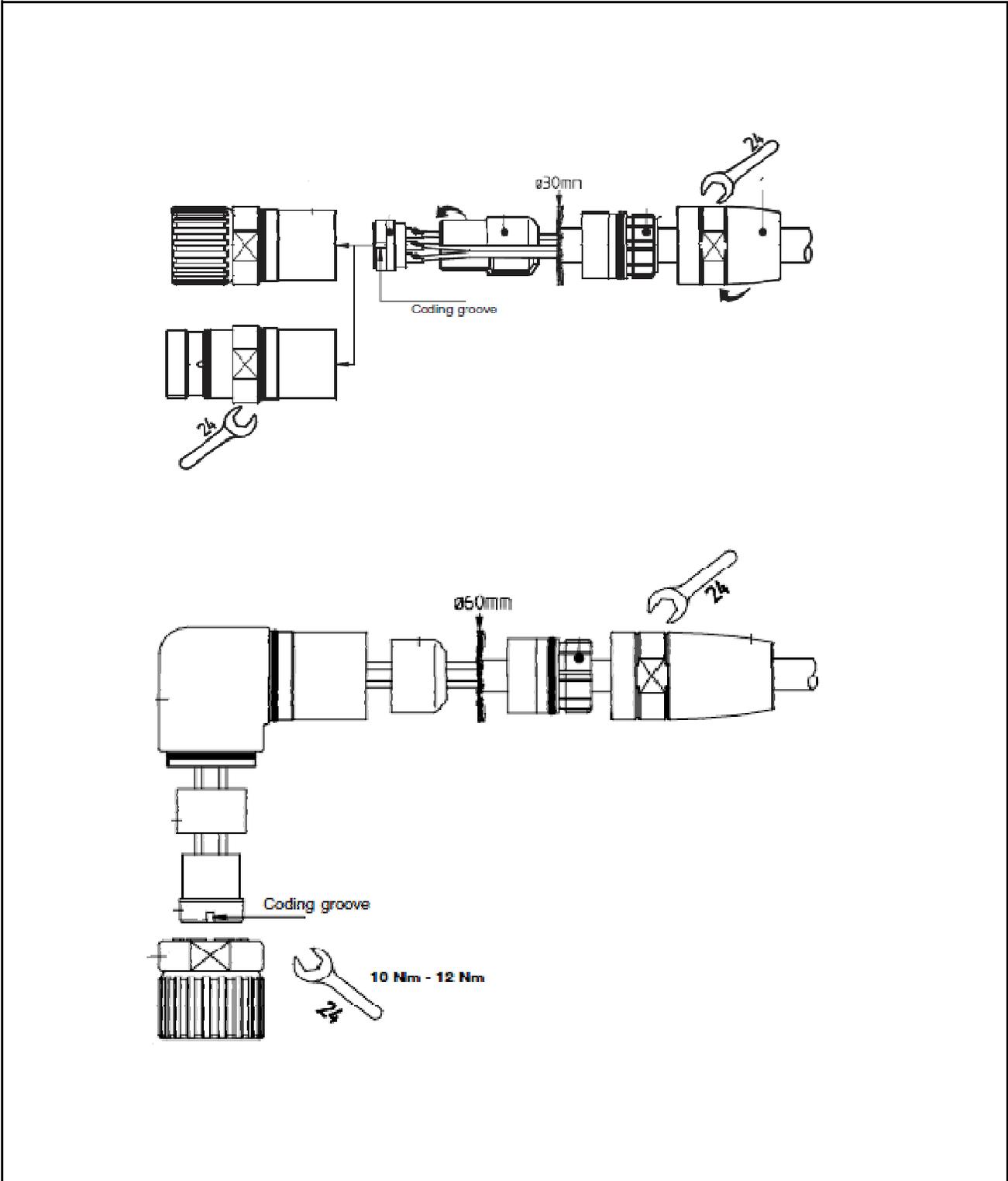


Assembly Instructions
RC-Connectors style AD/A2...

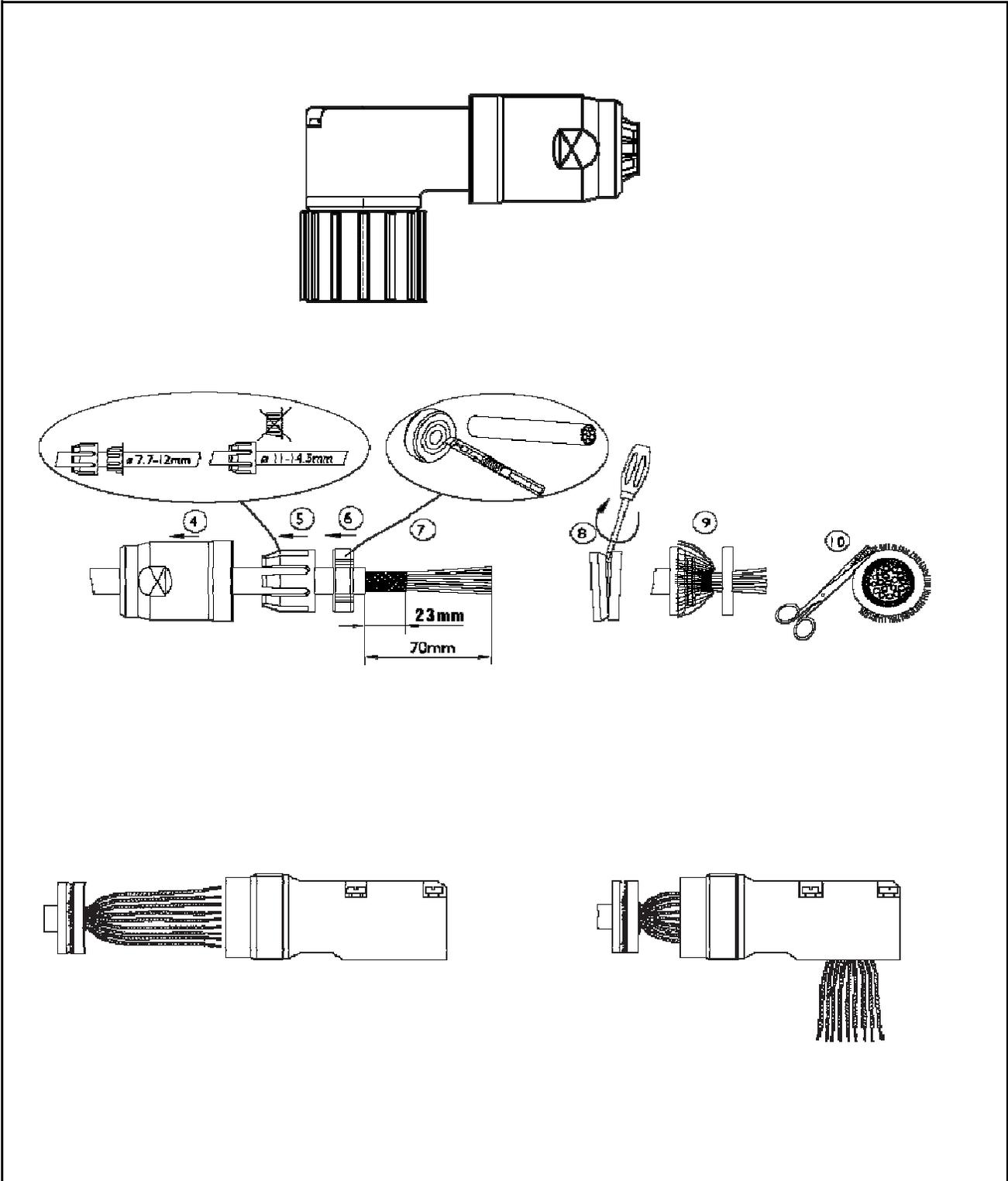


Assembly Instructions

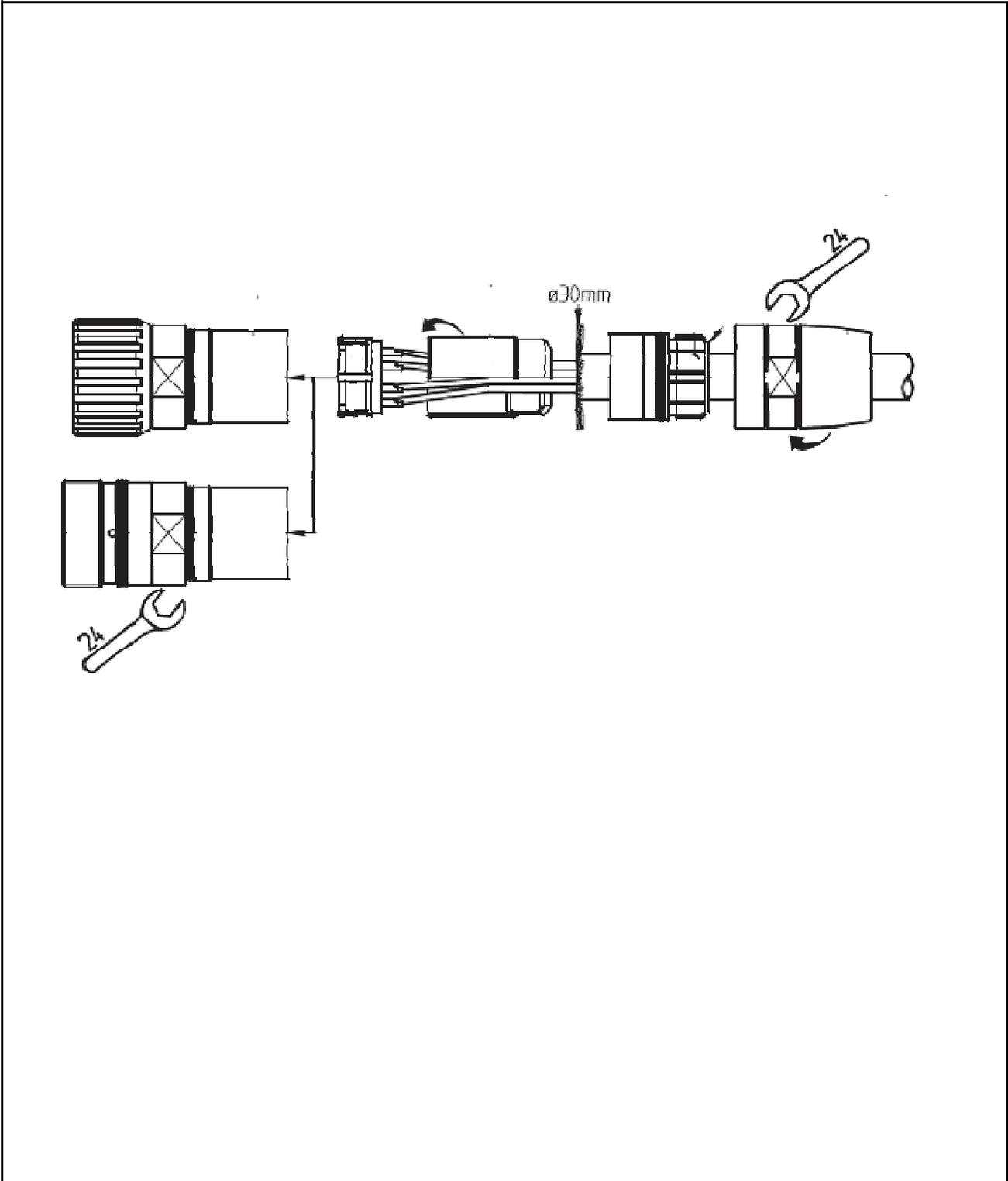
UC-Connectors style 8, R, 9, F, T, N, Q



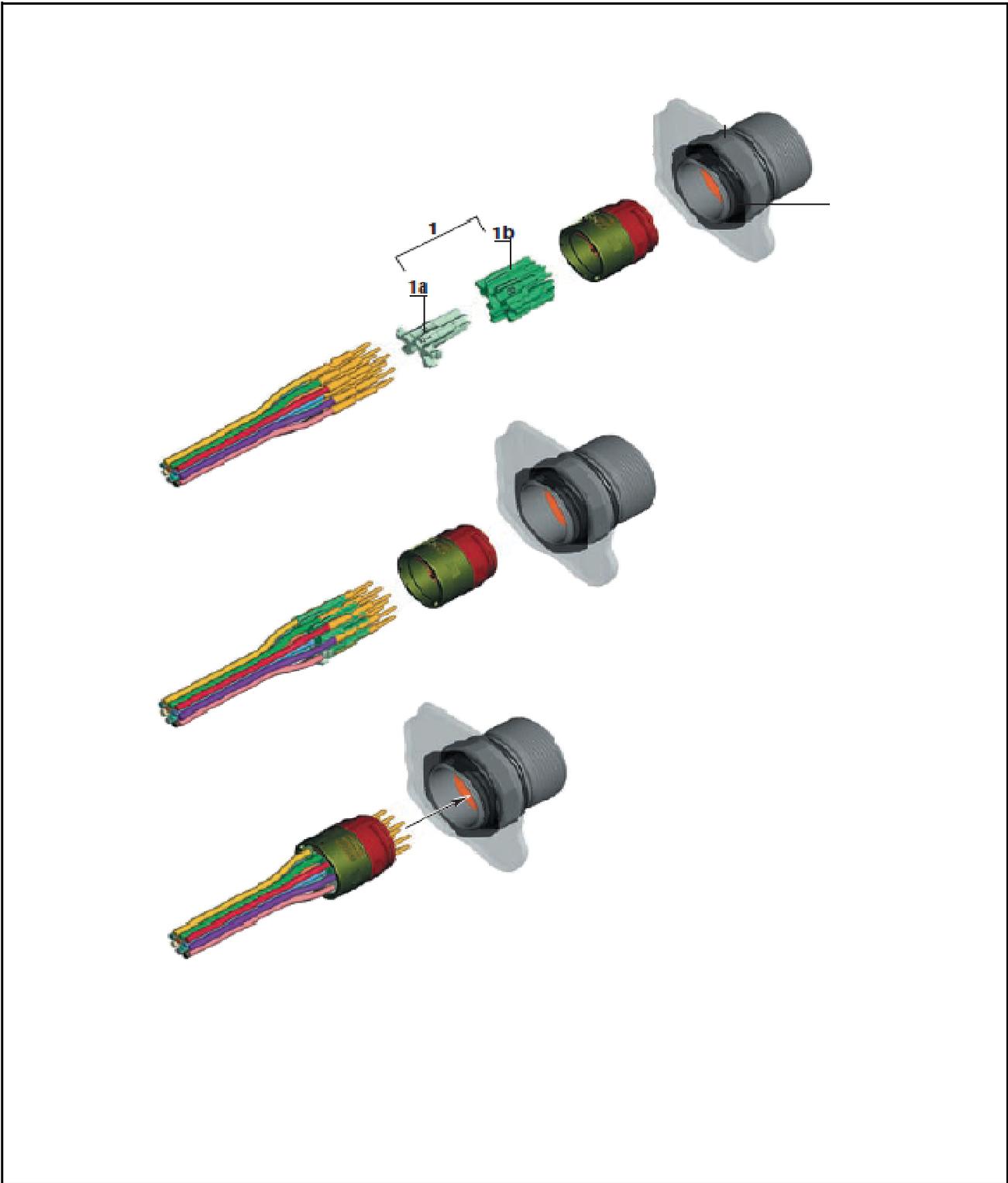
Assembly Instructions
HC-Connectors style WI



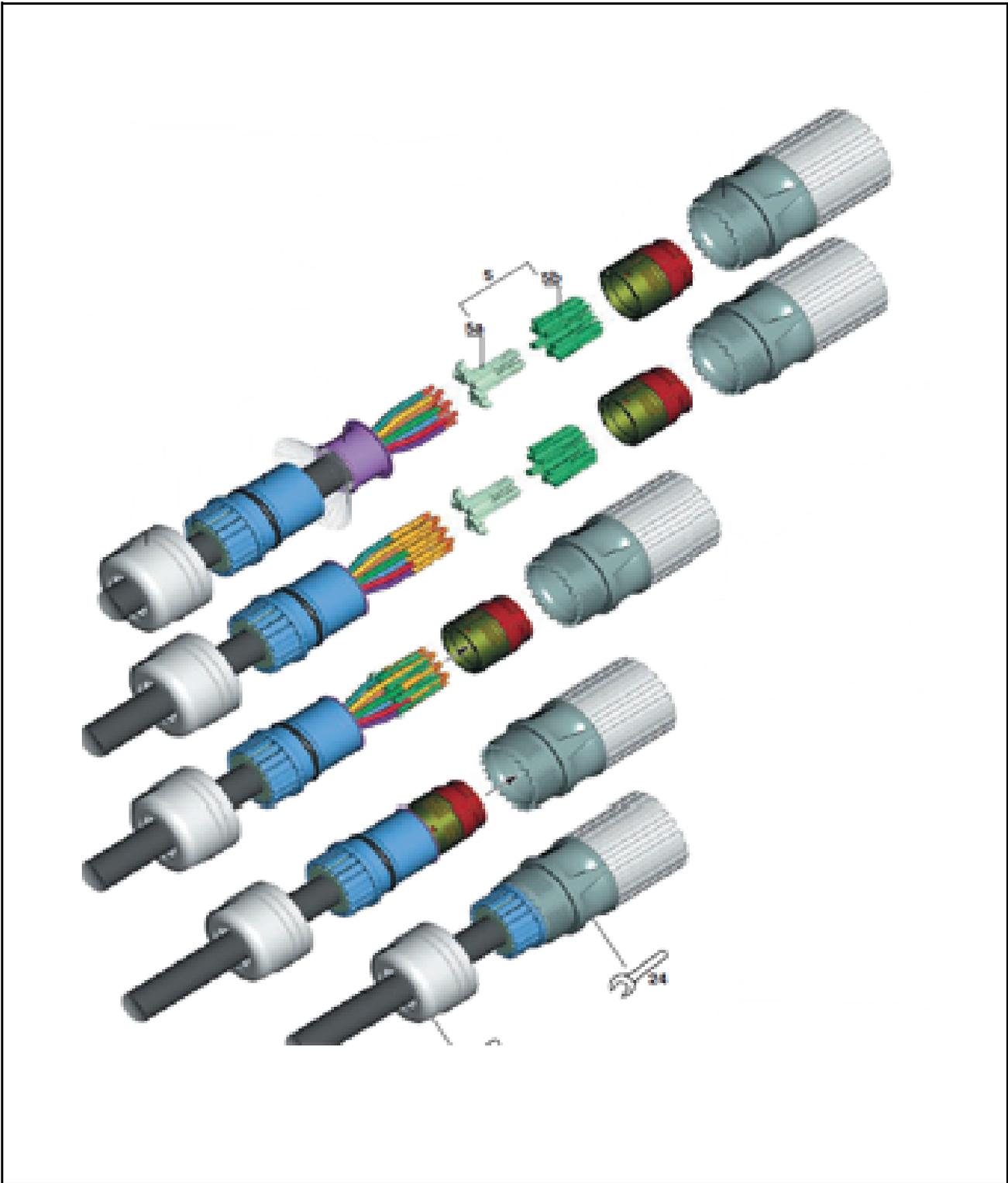
Assembly Instructions
HC-Connectors style 8, 9, F, R, Q



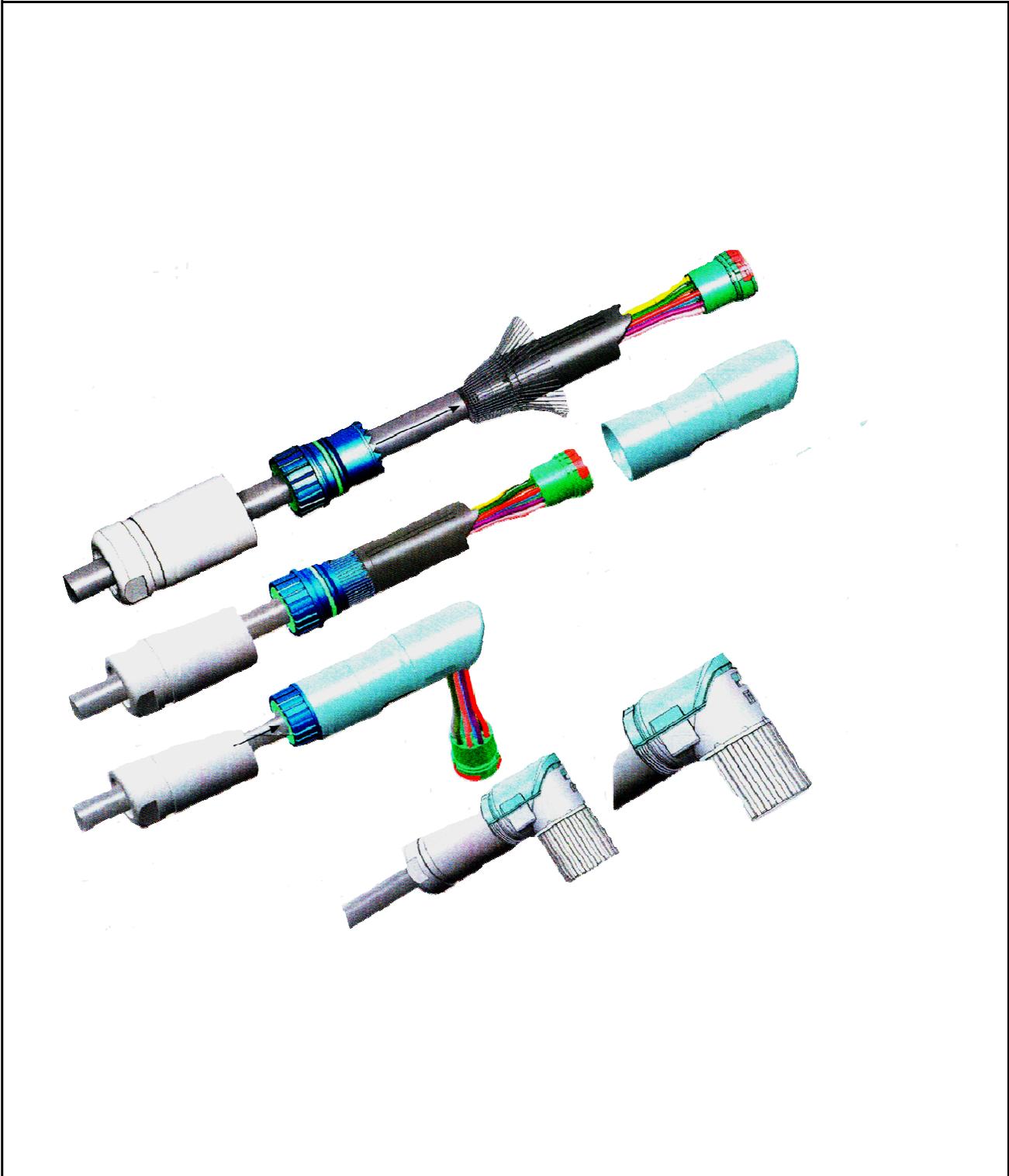
Assembly Instructions
RF-Connectors style 61



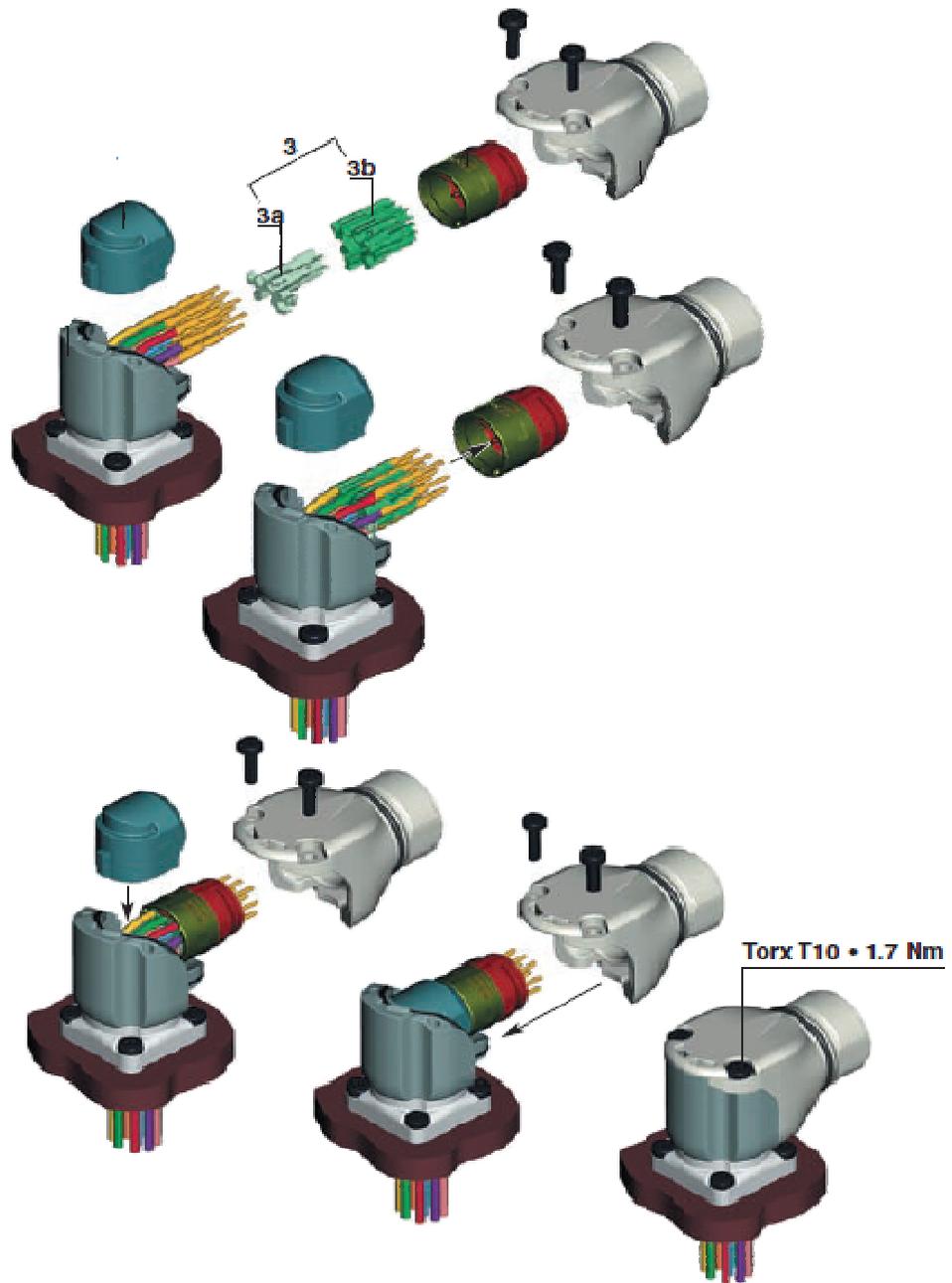
Assembly Instructions
RF-Connectors style 80



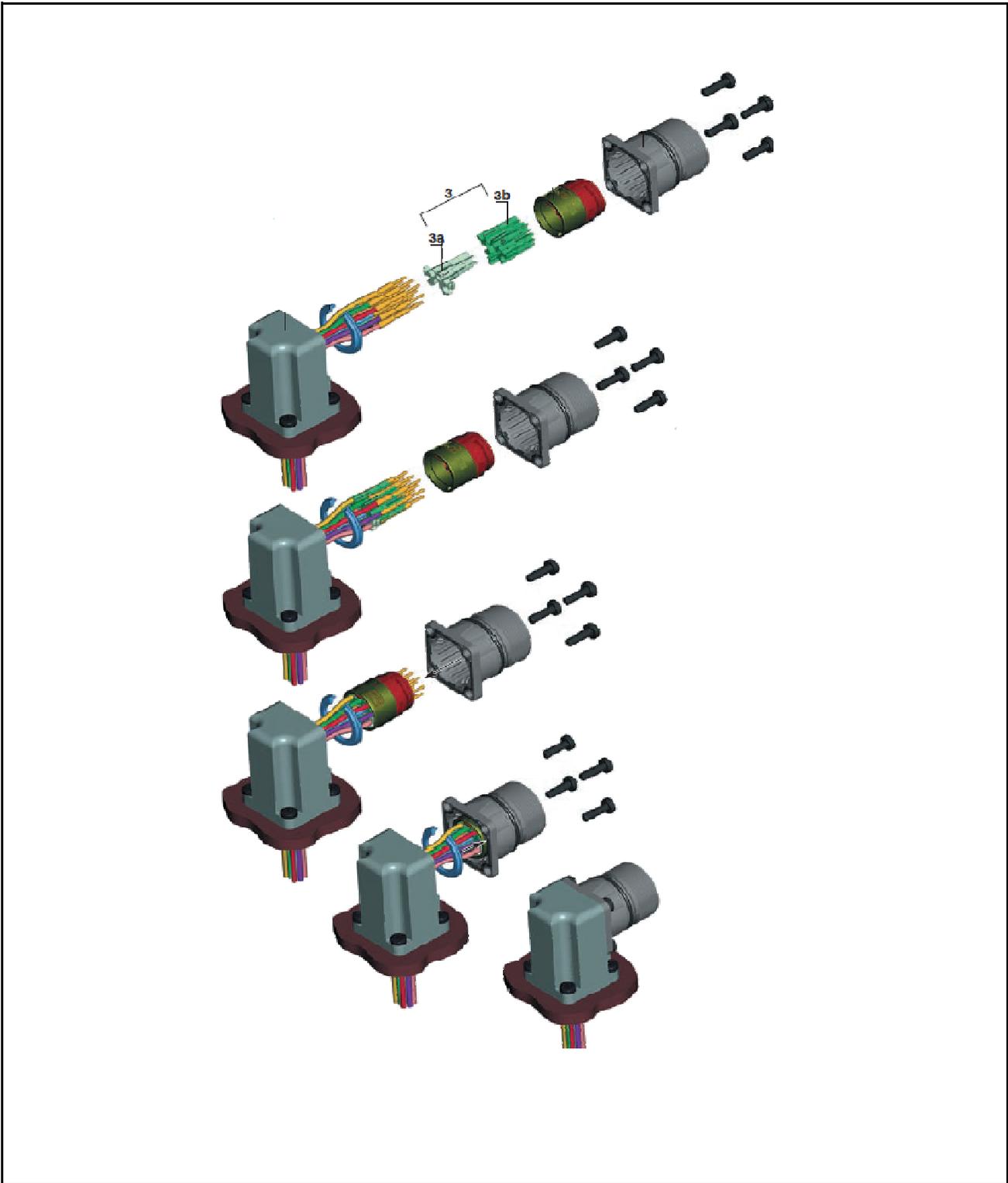
Assembly Instructions
RF-Connectors style T0



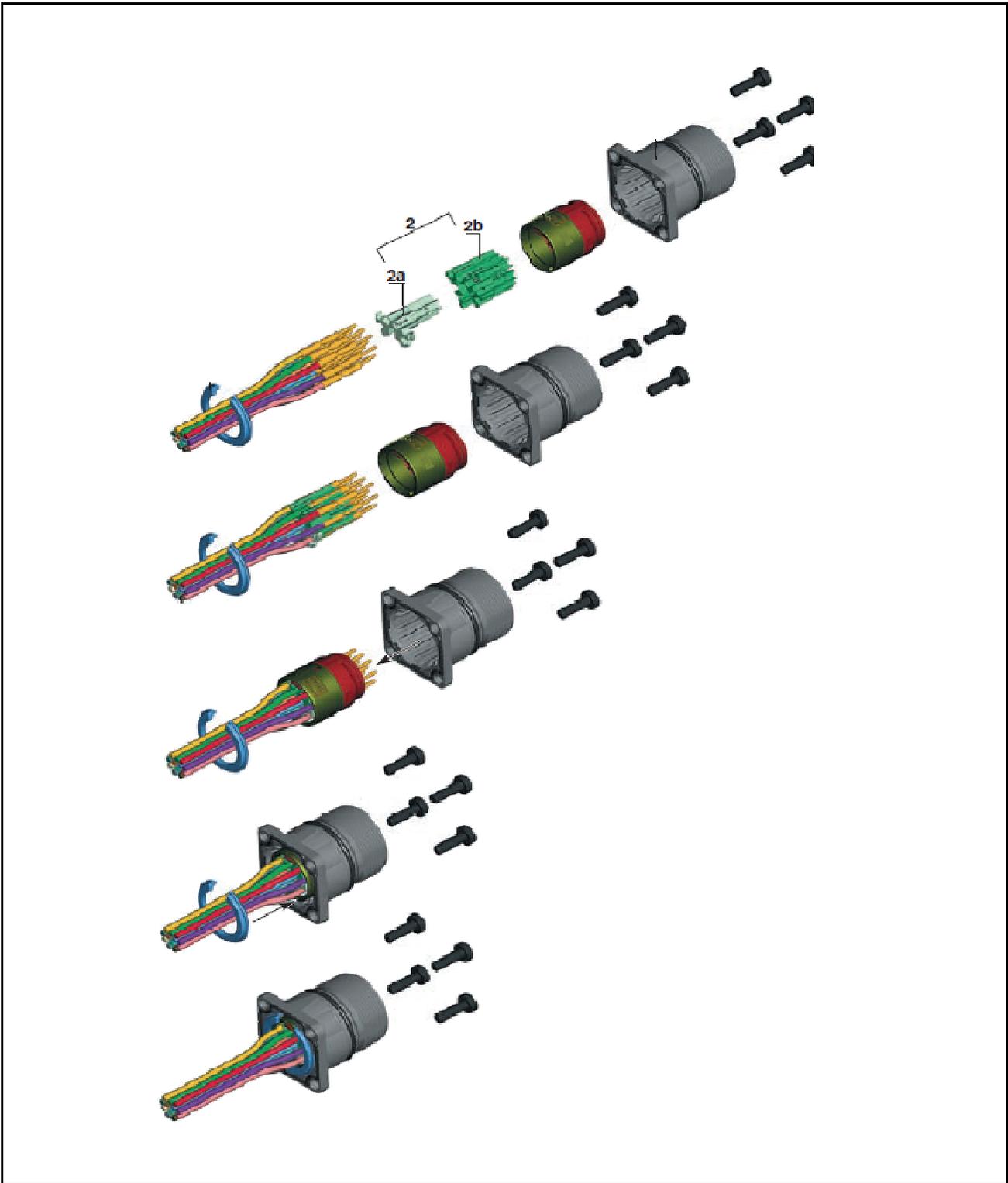
Assembly Instructions
RF-Connectors style AF, AK, AD, AC



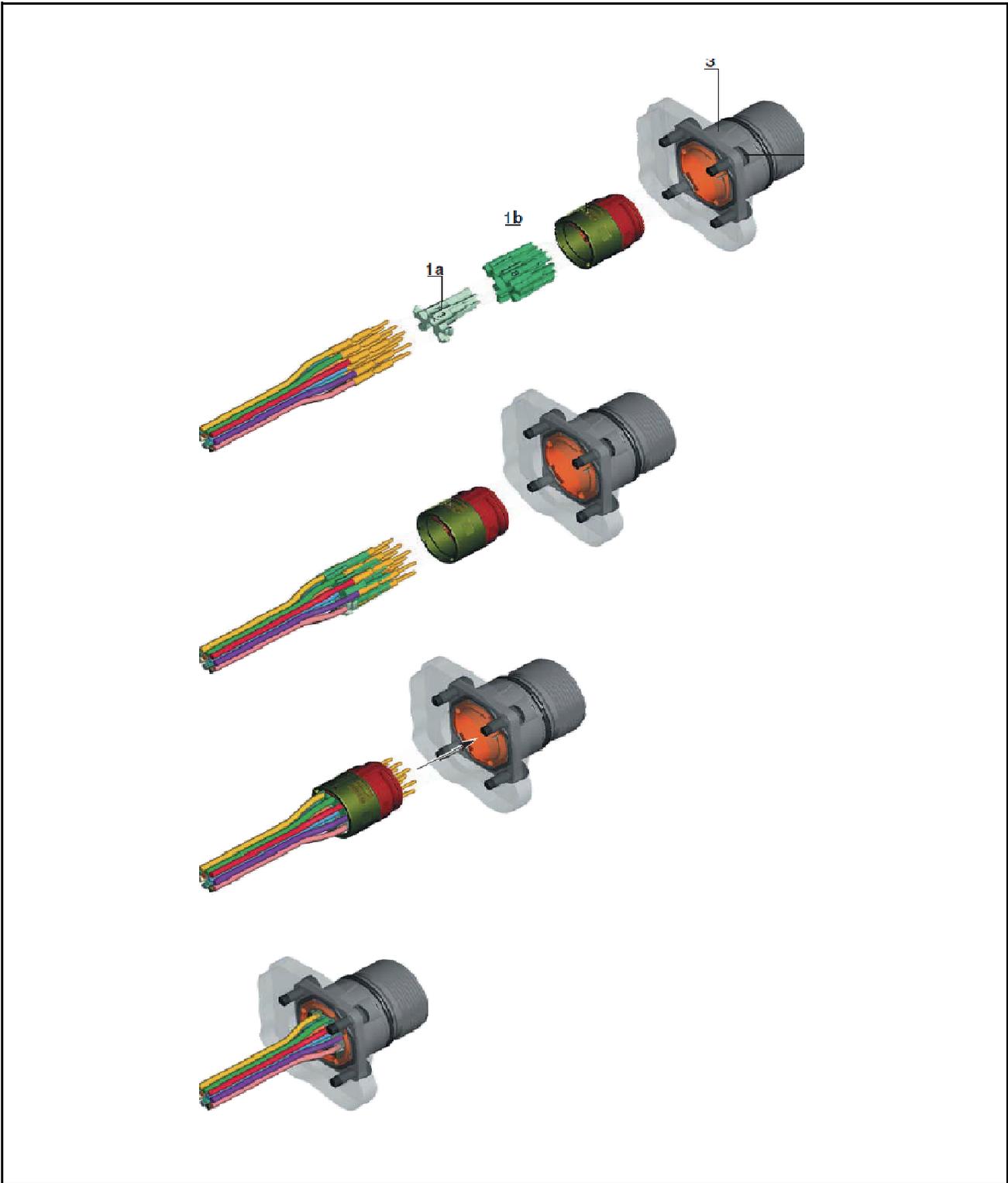
Assembly Instructions
RF-Connectors style A2



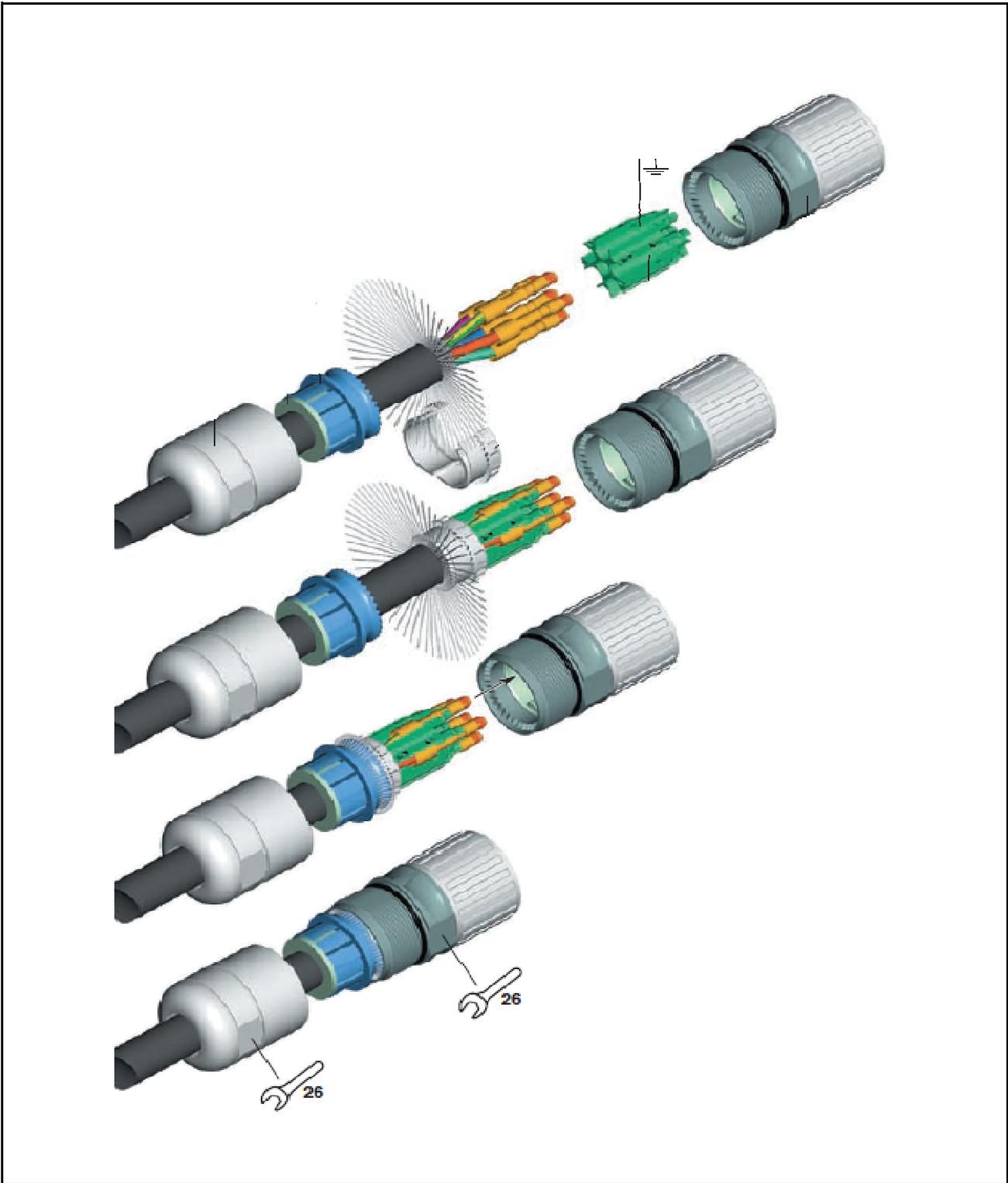
Assembly Instructions
RF-Connectors style WA/WQ



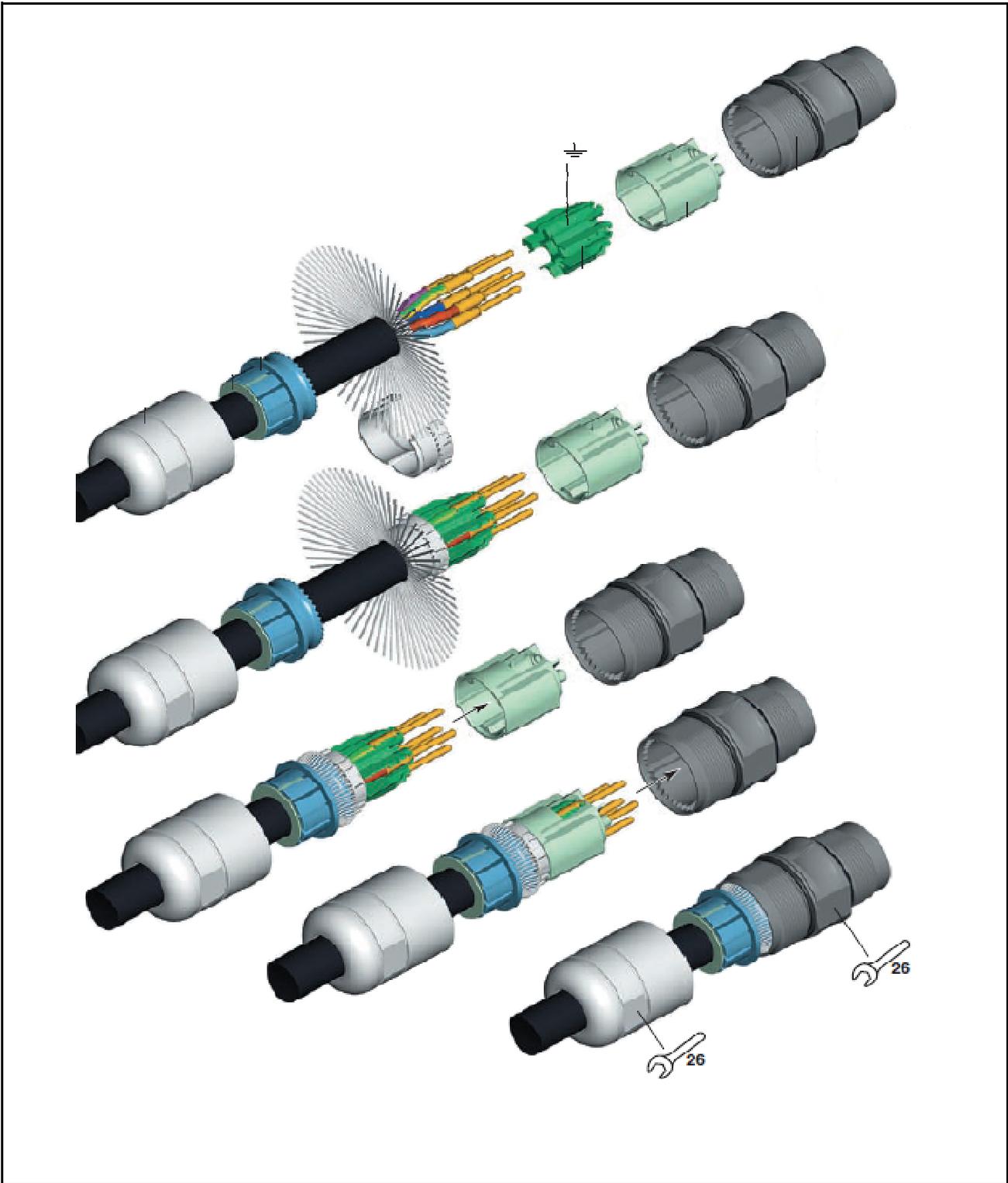
Assembly Instructions
RF-Connectors style WB/W4



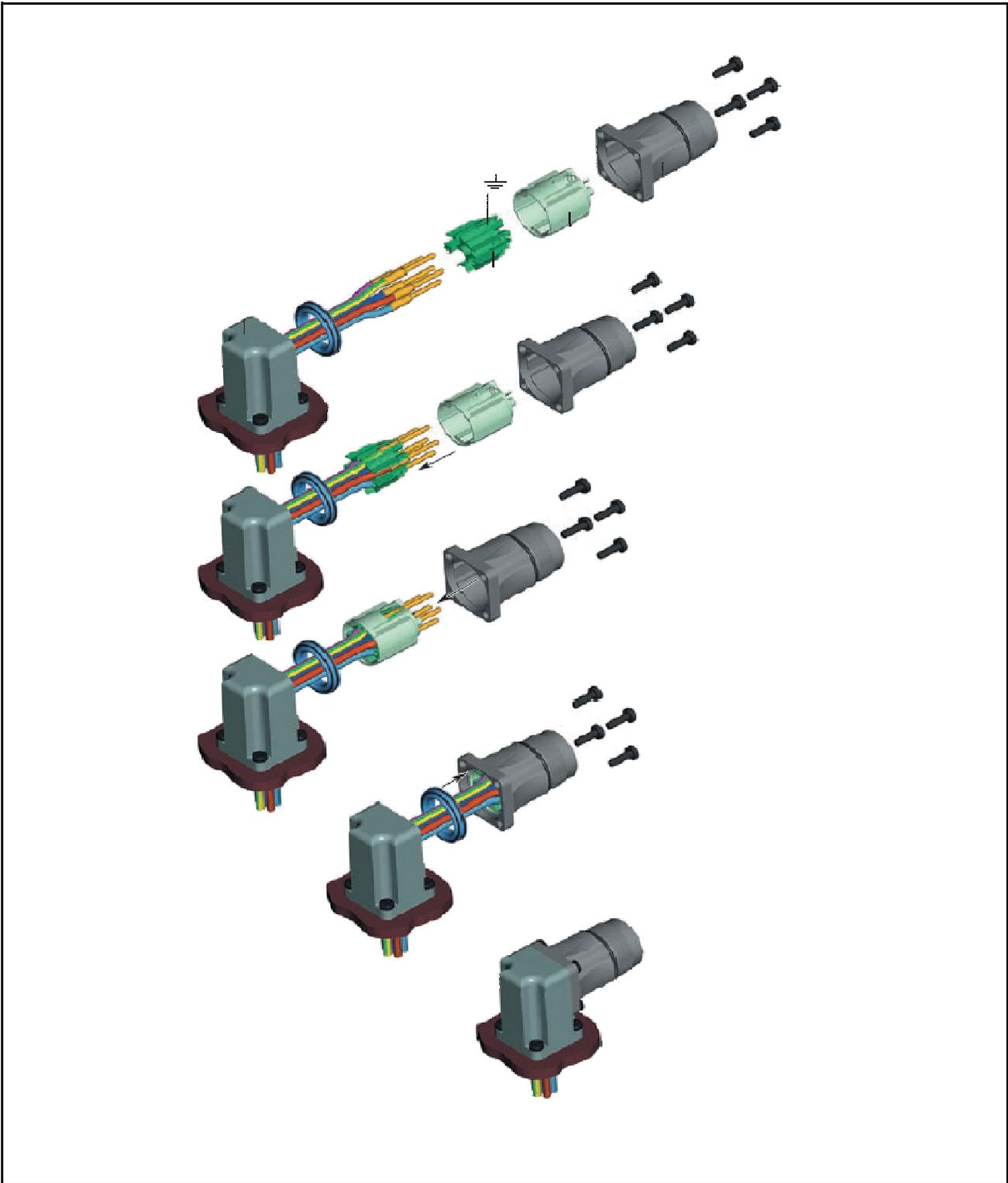
Assembly Instructions
SF-Connectors style 80/8L



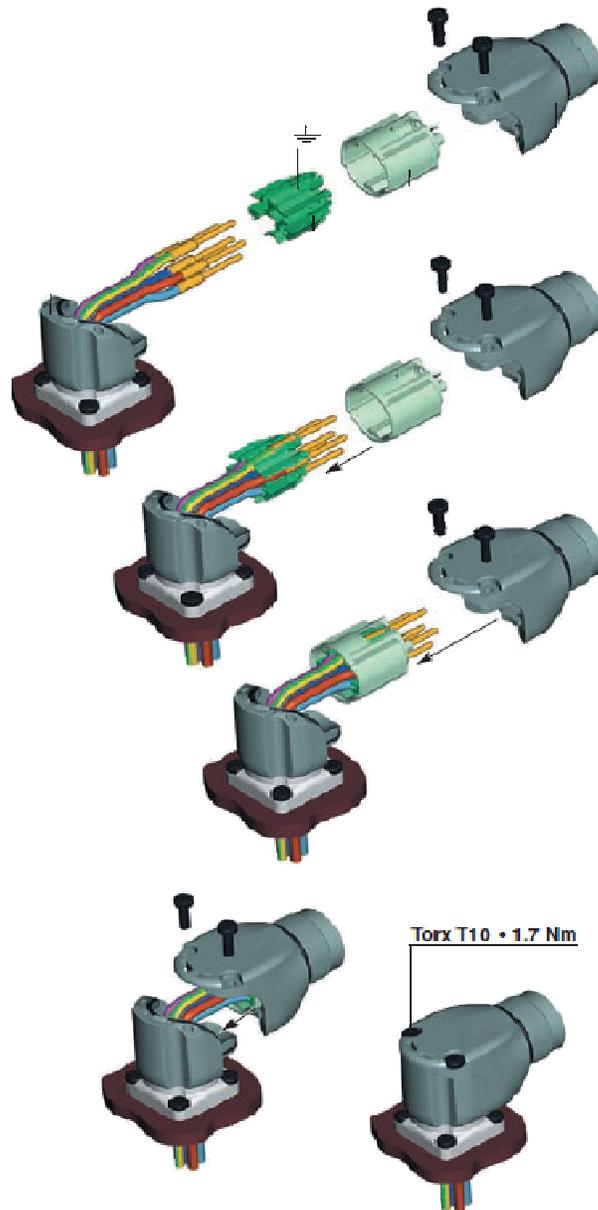
Assembly Instructions
SF-Connectors style 90/9L



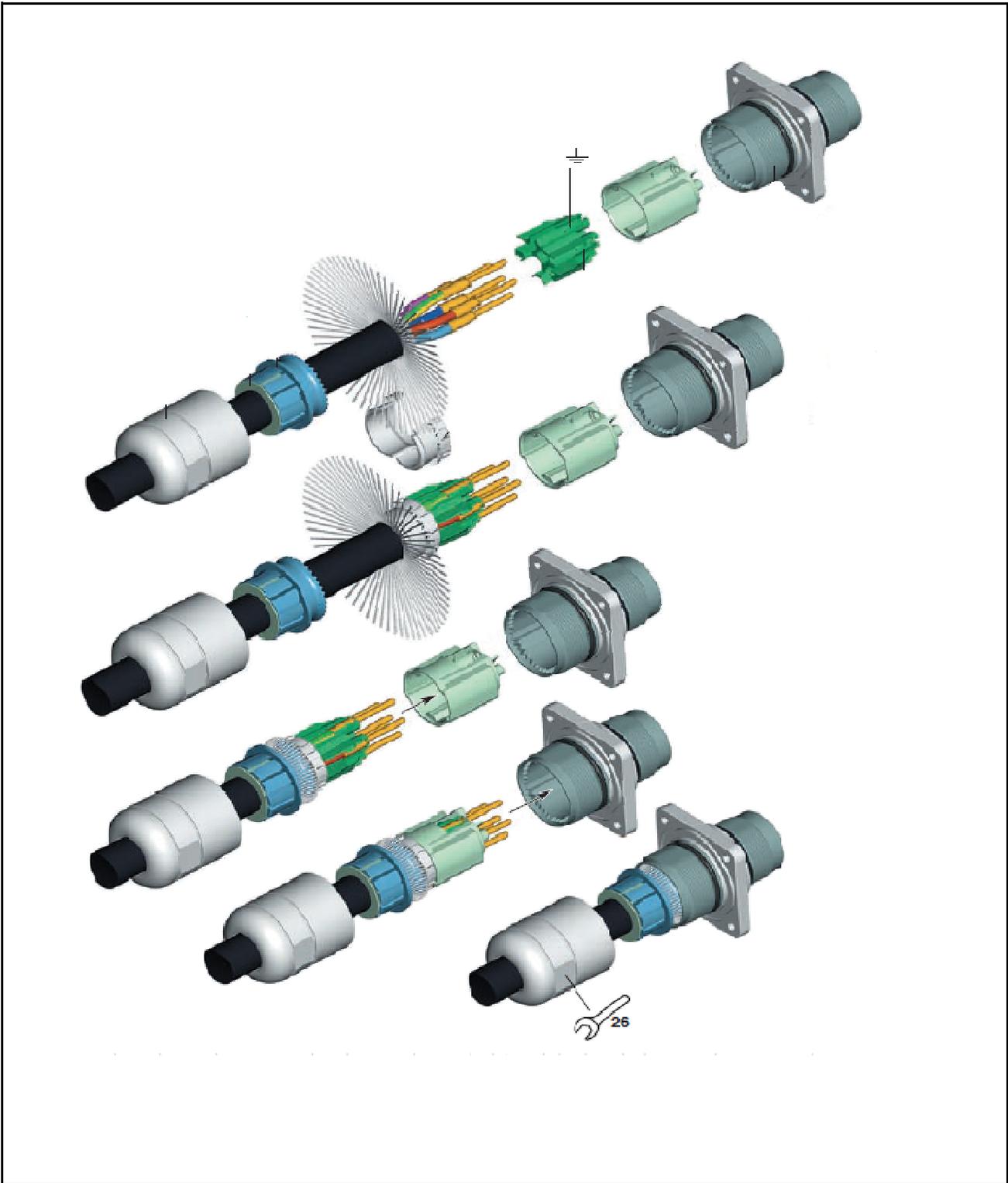
Assembly Instructions
SF-Connectors style A2



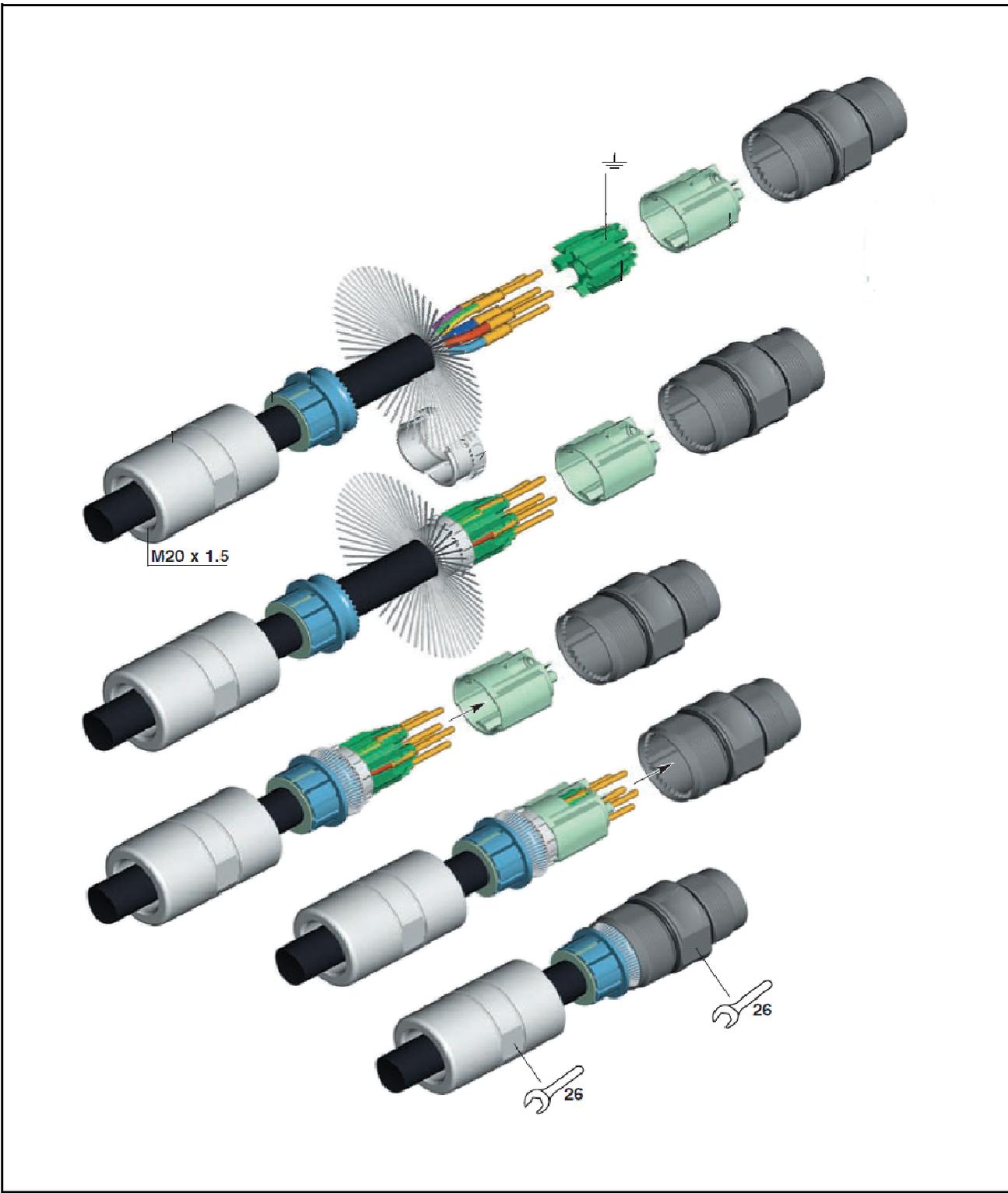
Assembly Instructions
SF-Connectors style AD,AF,AK,AC



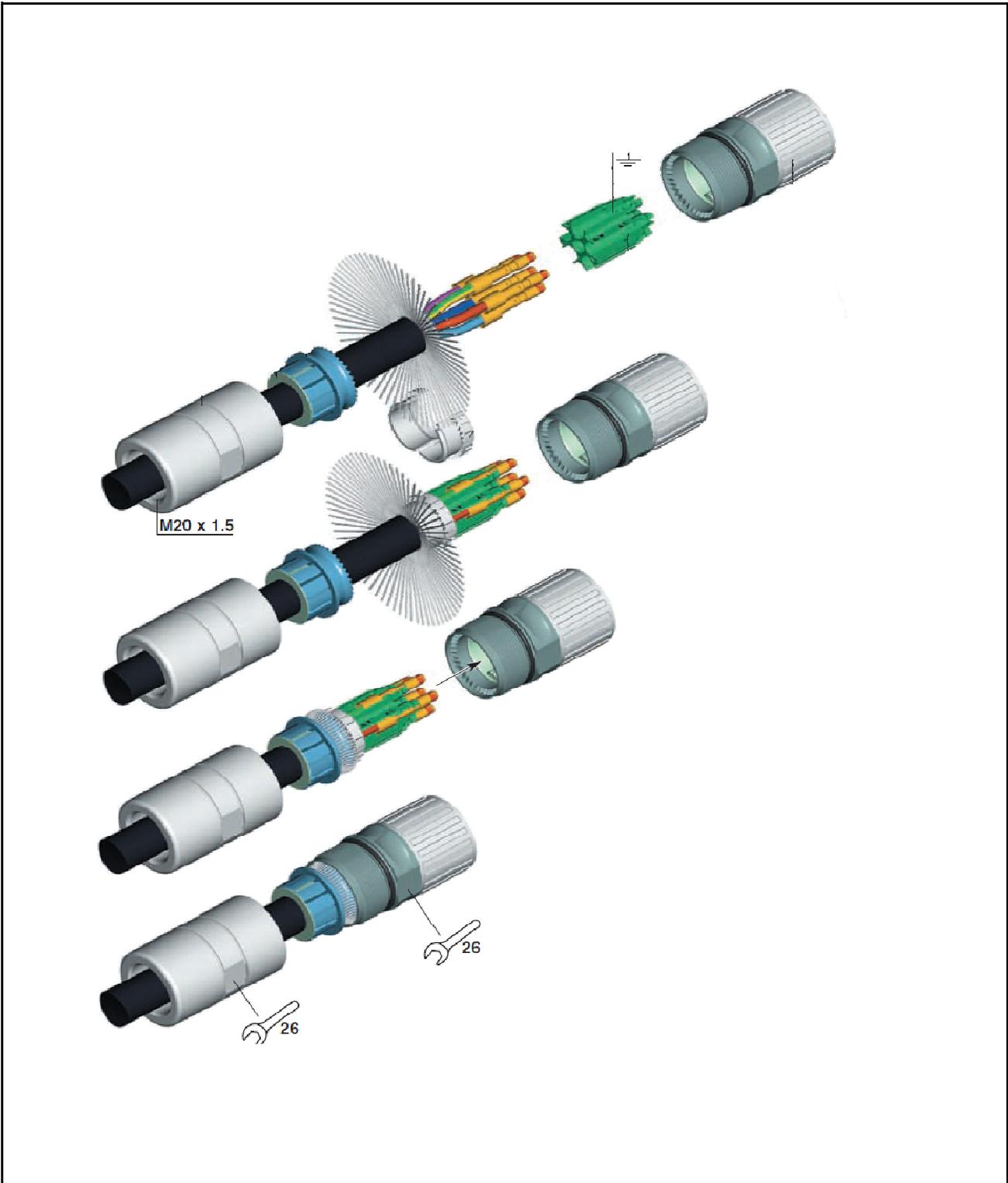
Assembly Instructions
SF-Connectors style C0,CL



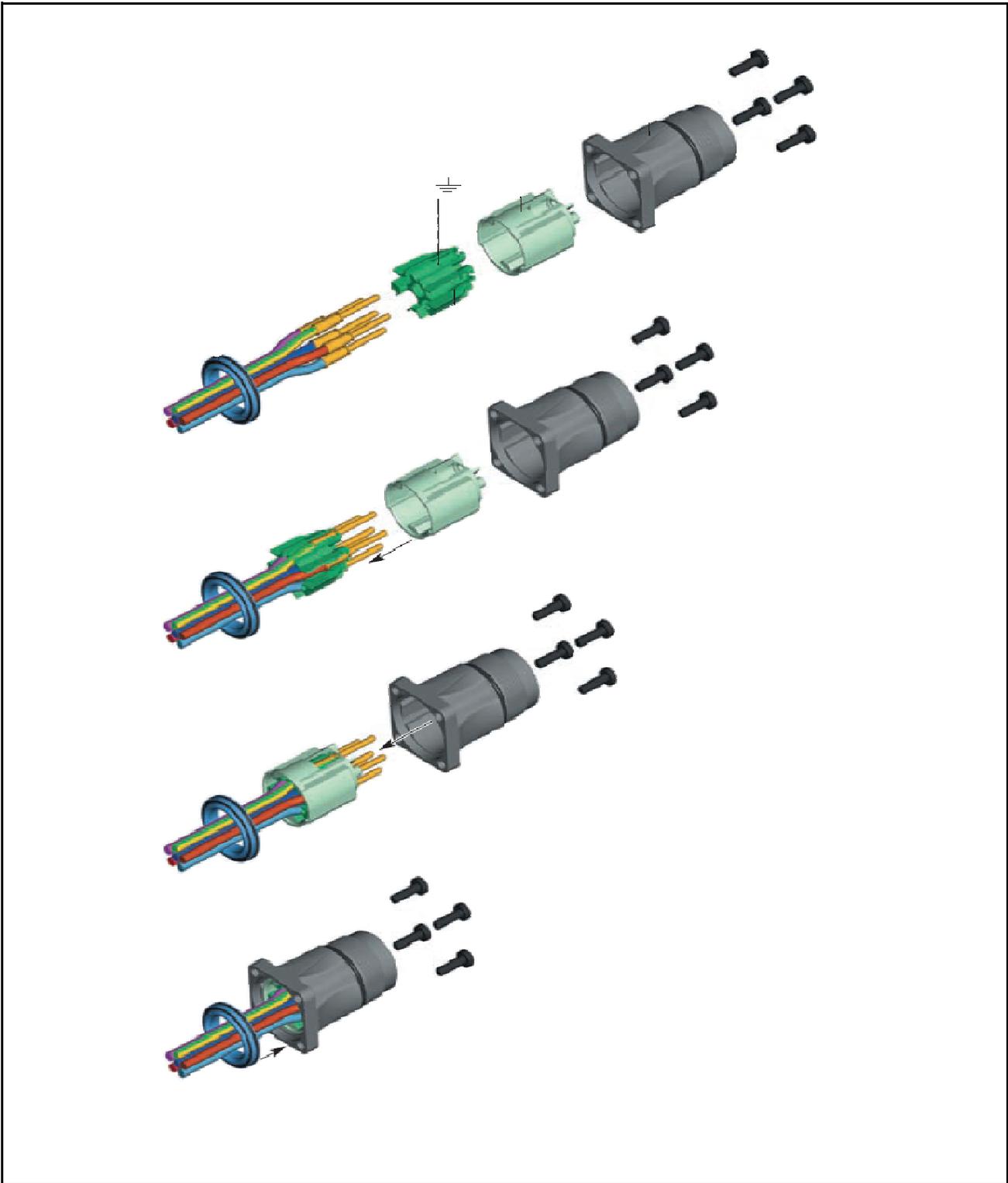
Assembly Instructions
SF-Connectors style F4



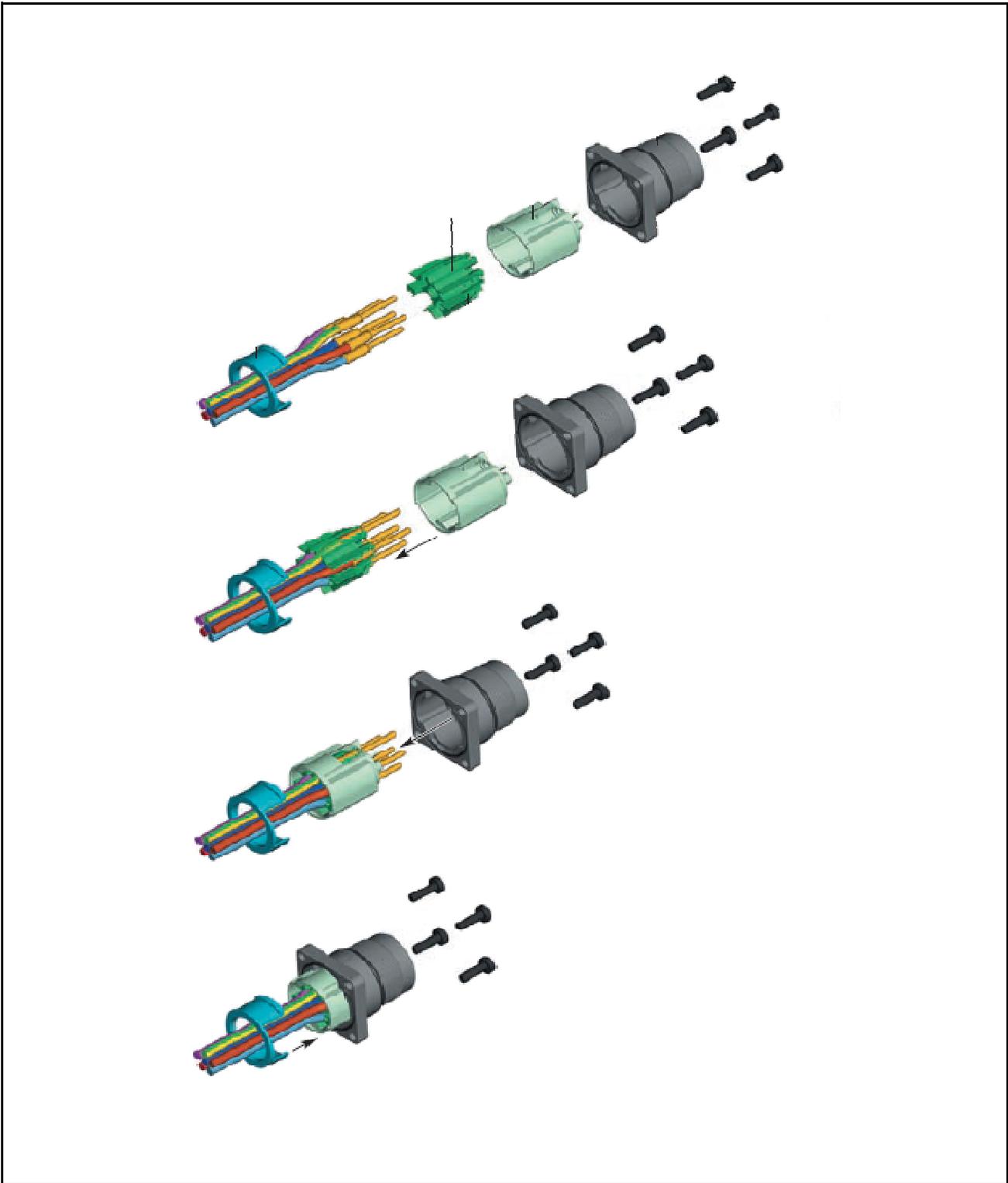
Assembly Instructions
SF-Connectors style R4



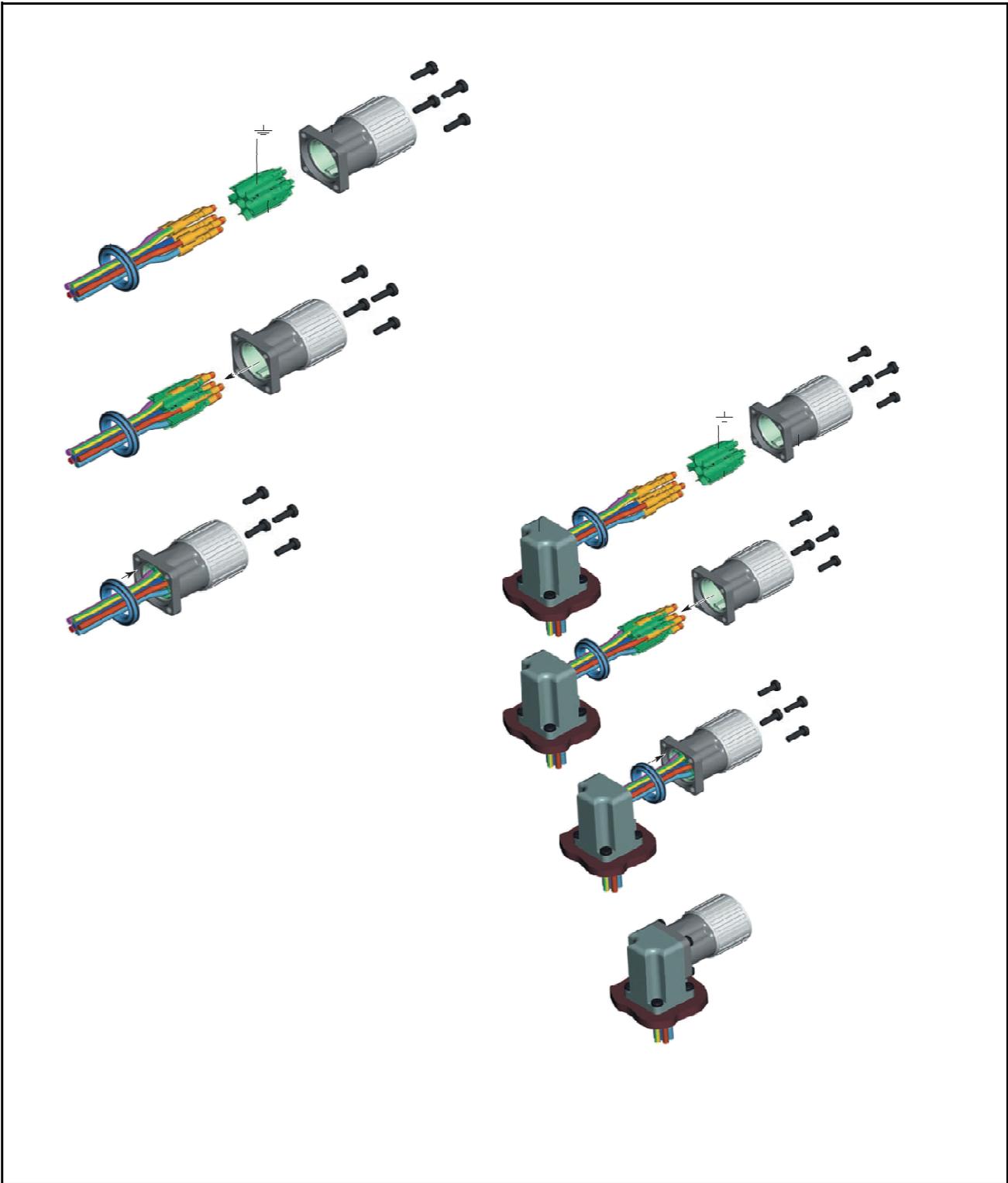
Assembly Instructions
SF-Connectors style WA



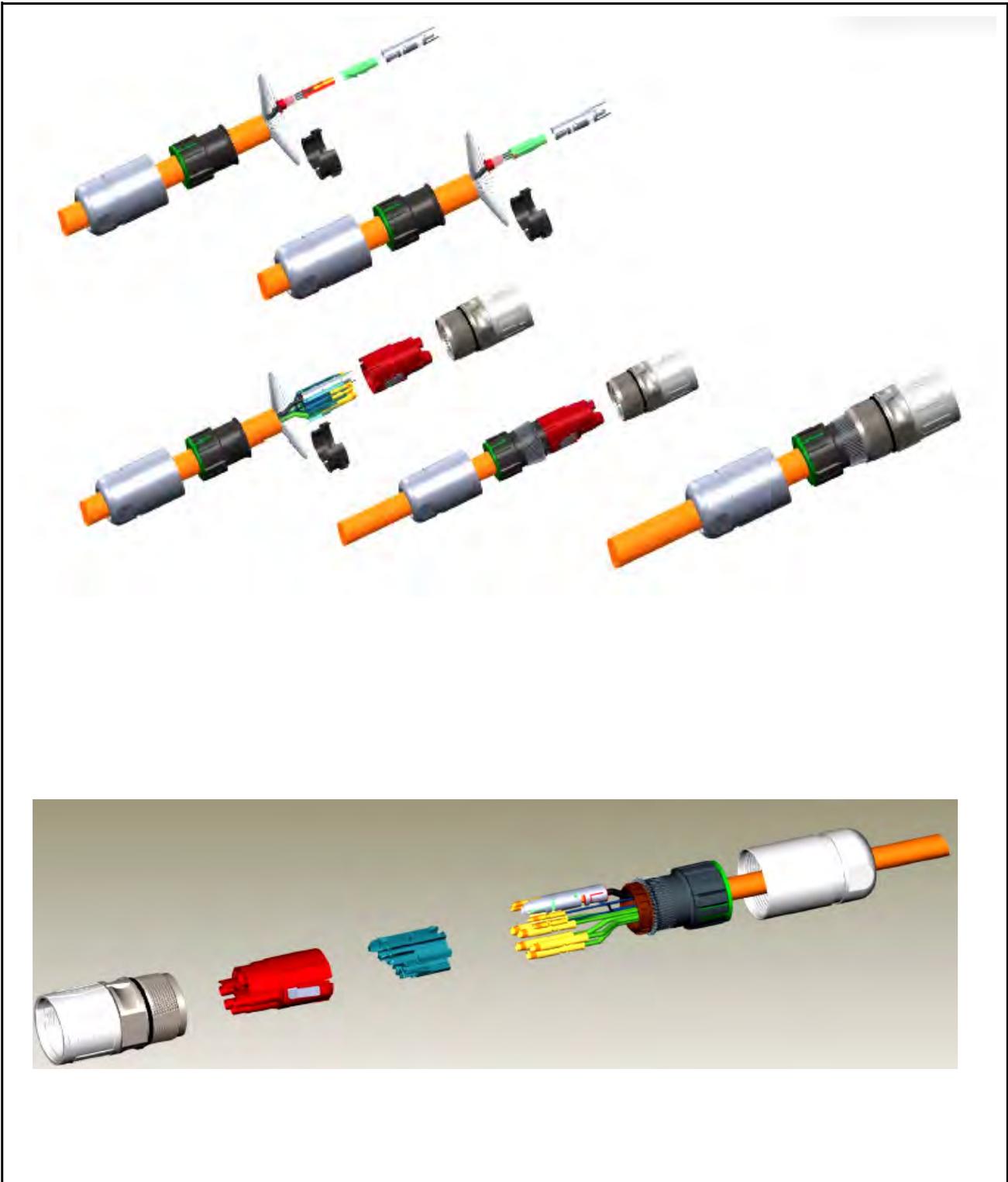
Assembly Instructions
SF-Connectors style WK



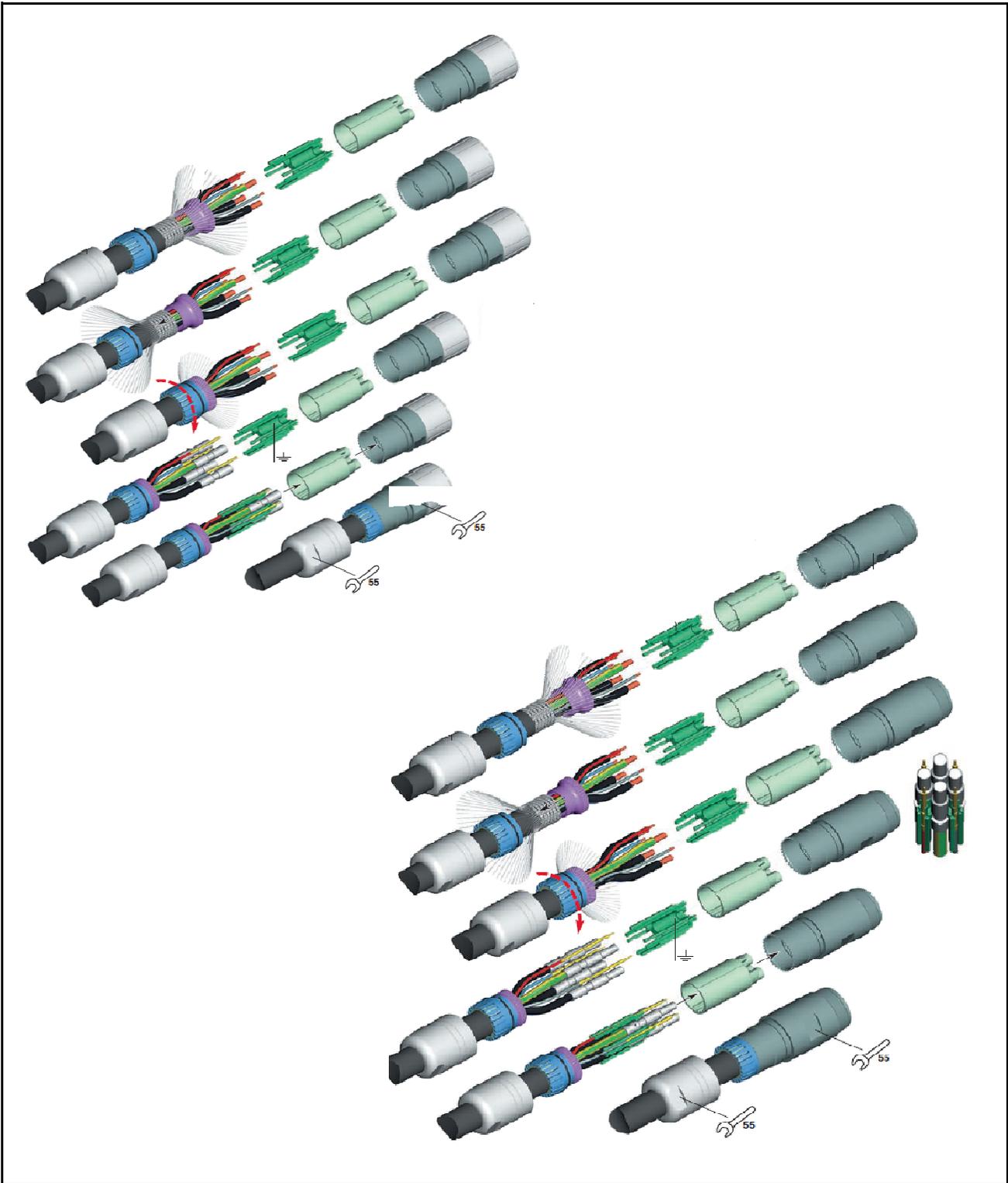
Assembly Instructions
SF-Connectors style Y0, YW



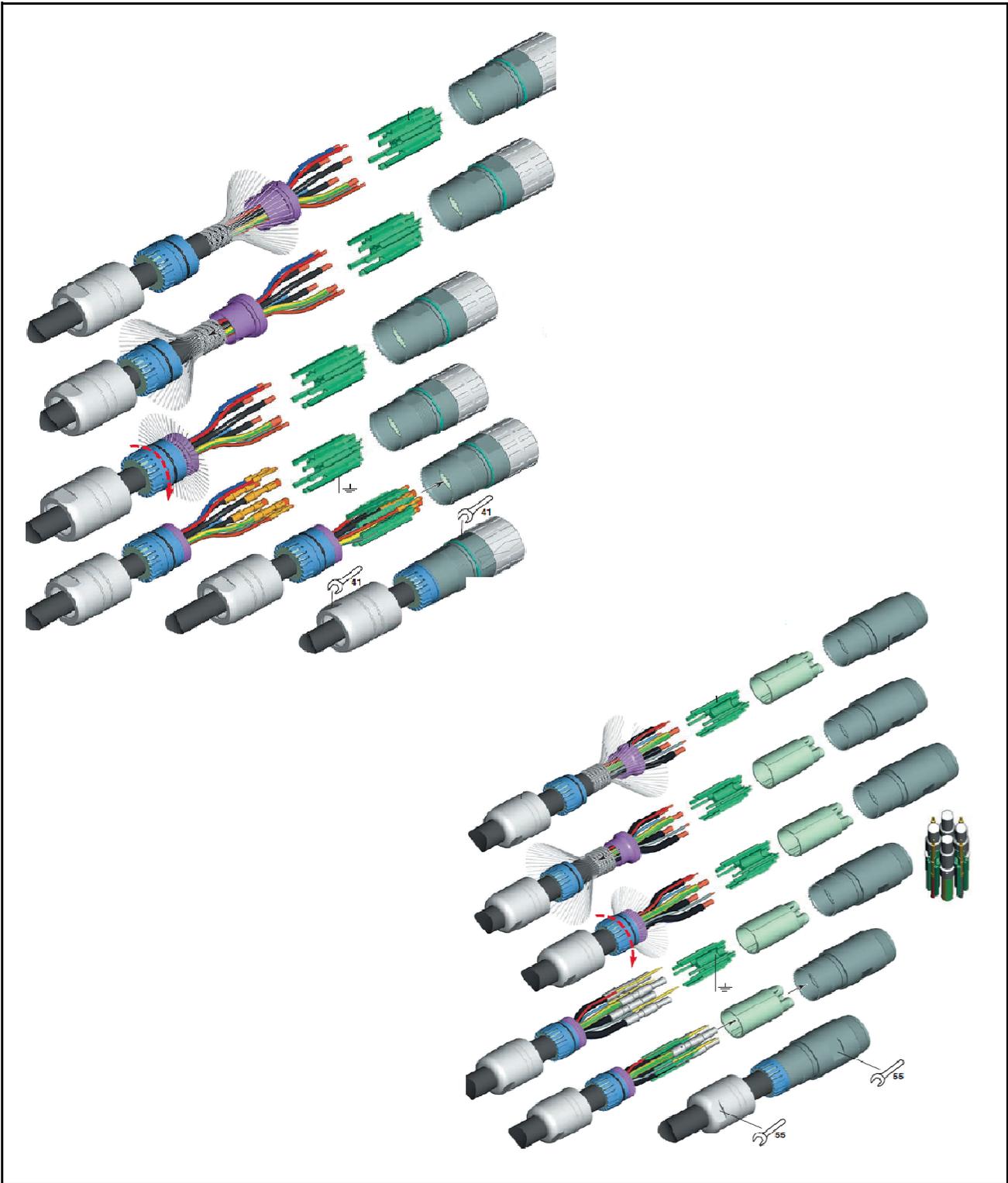
Assembly Instructions
SH-Connectors style 80,90



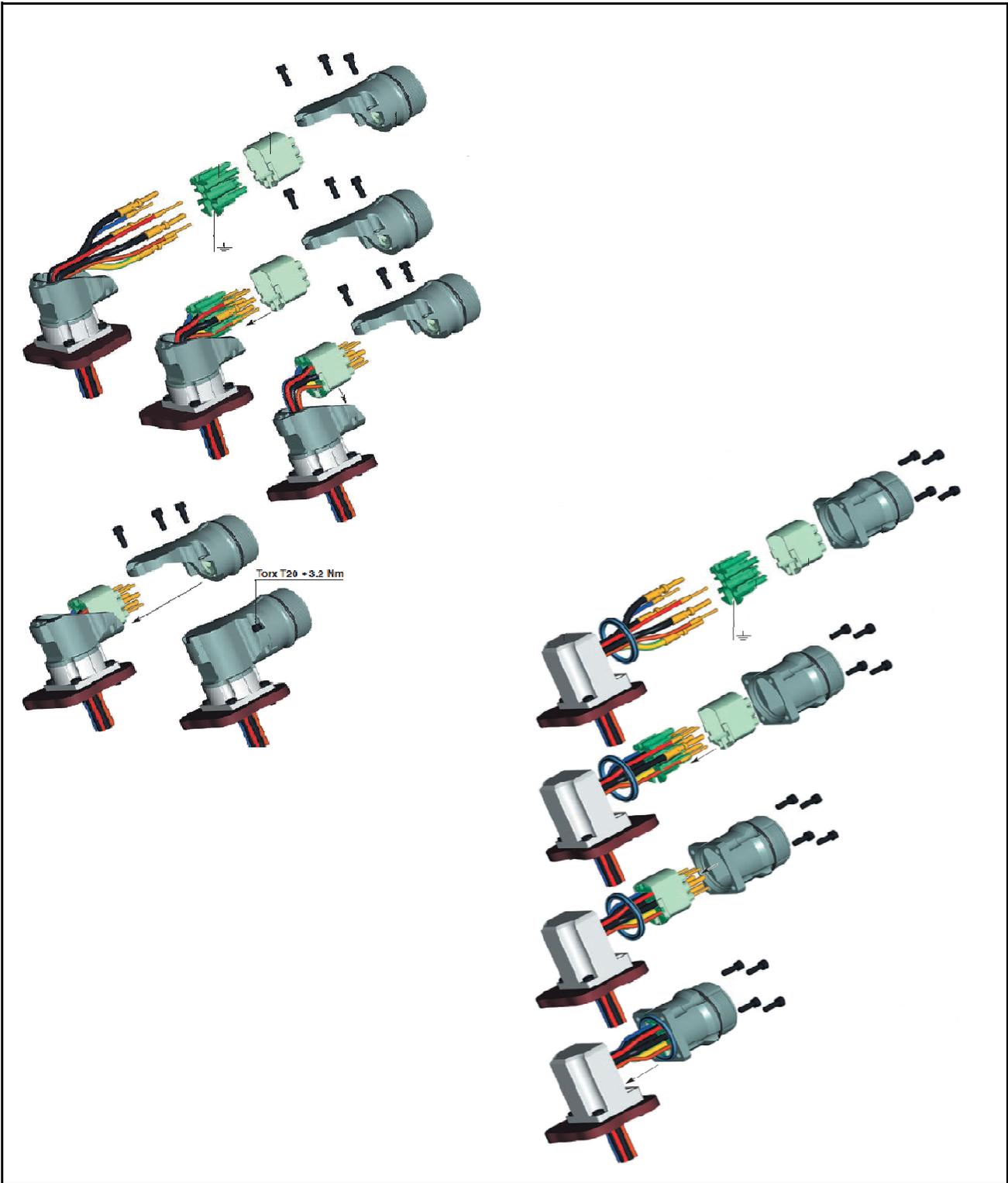
Assembly Instructions
SL-Connectors style 80, 90



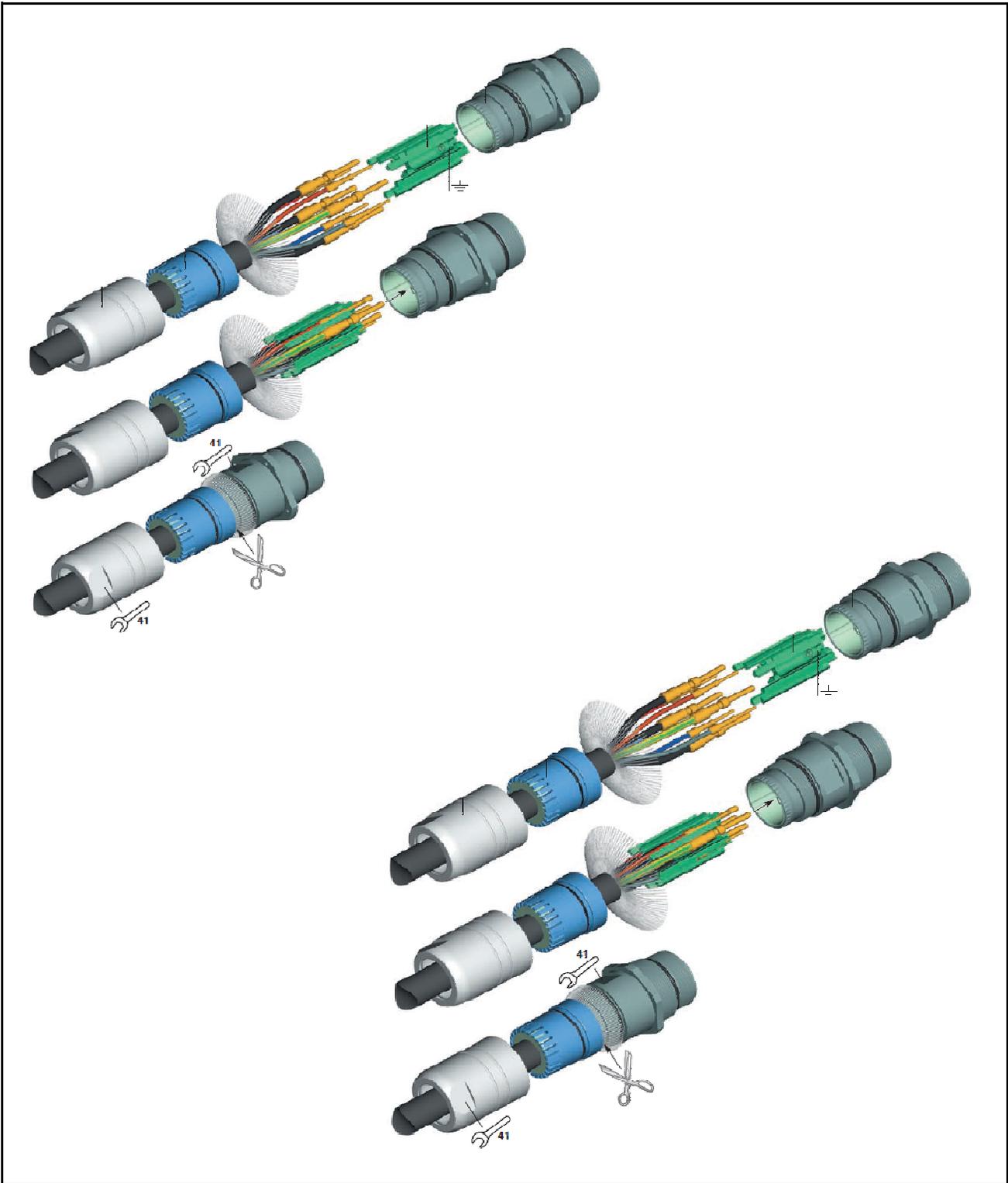
Assembly Instructions
SM-Connectors style 80, 8L, 90,9L



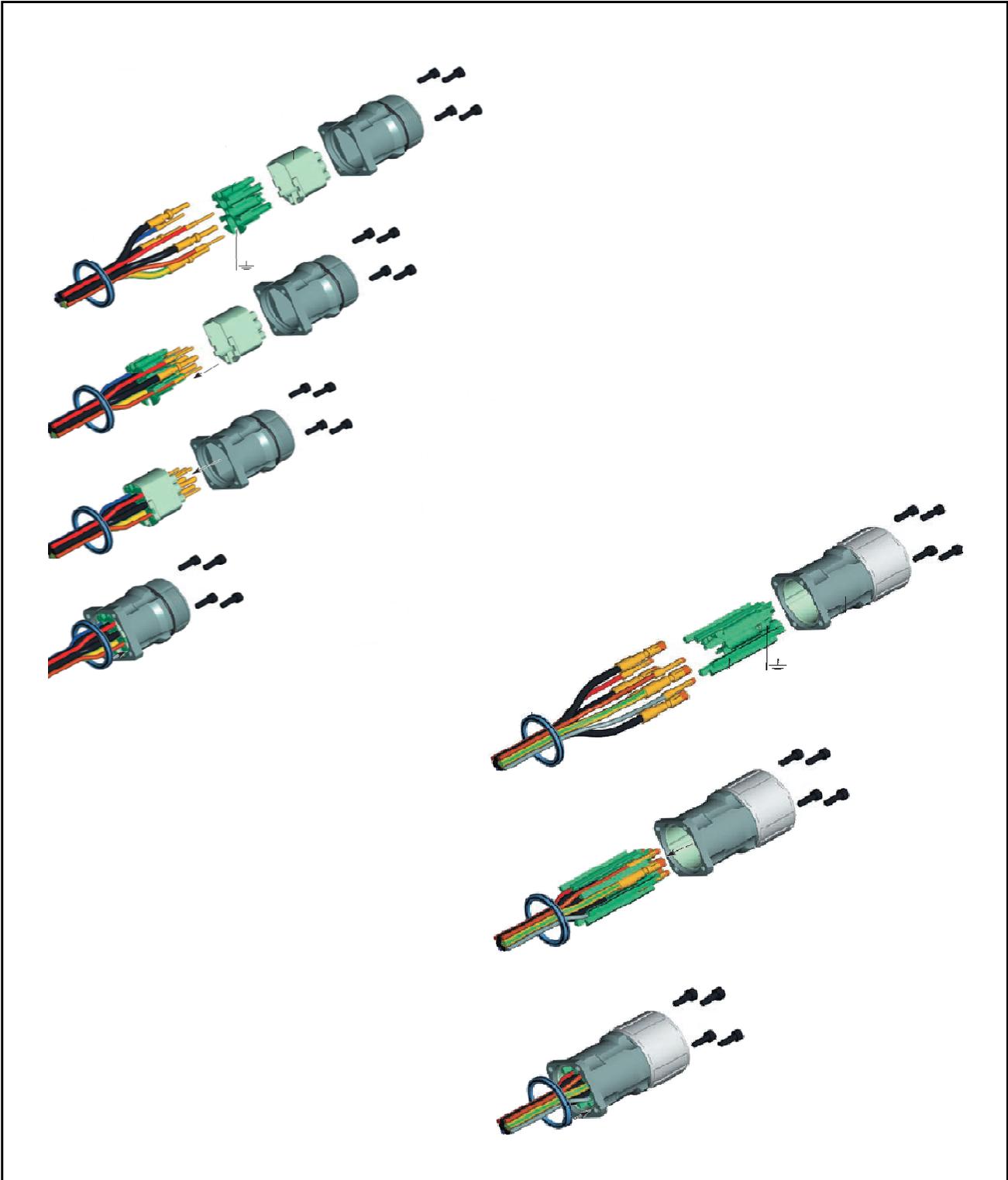
Assembly Instructions
SM-Connectors style AD, AF



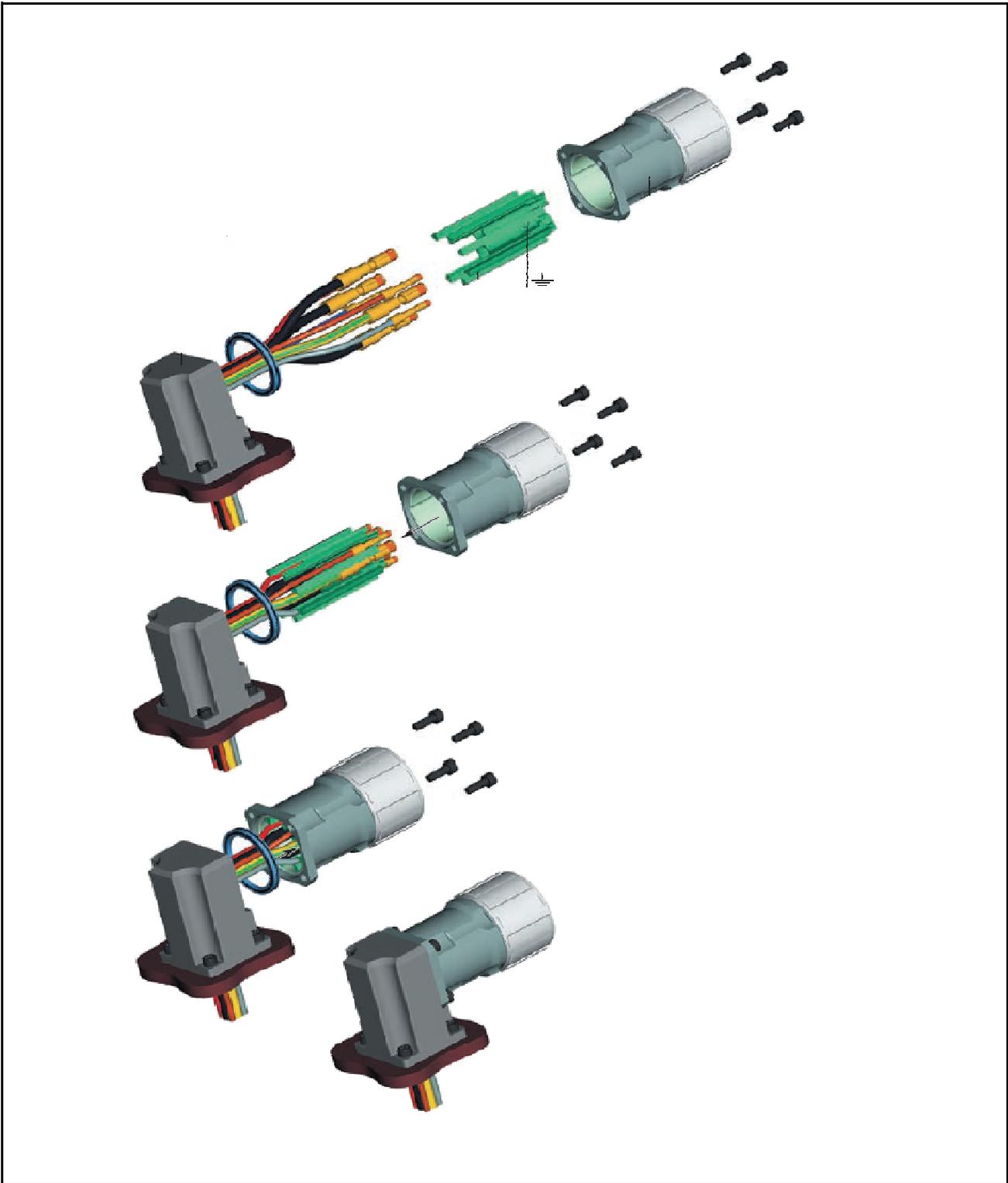
Assembly Instructions
SM connectors style C0, CL, Q0, QL



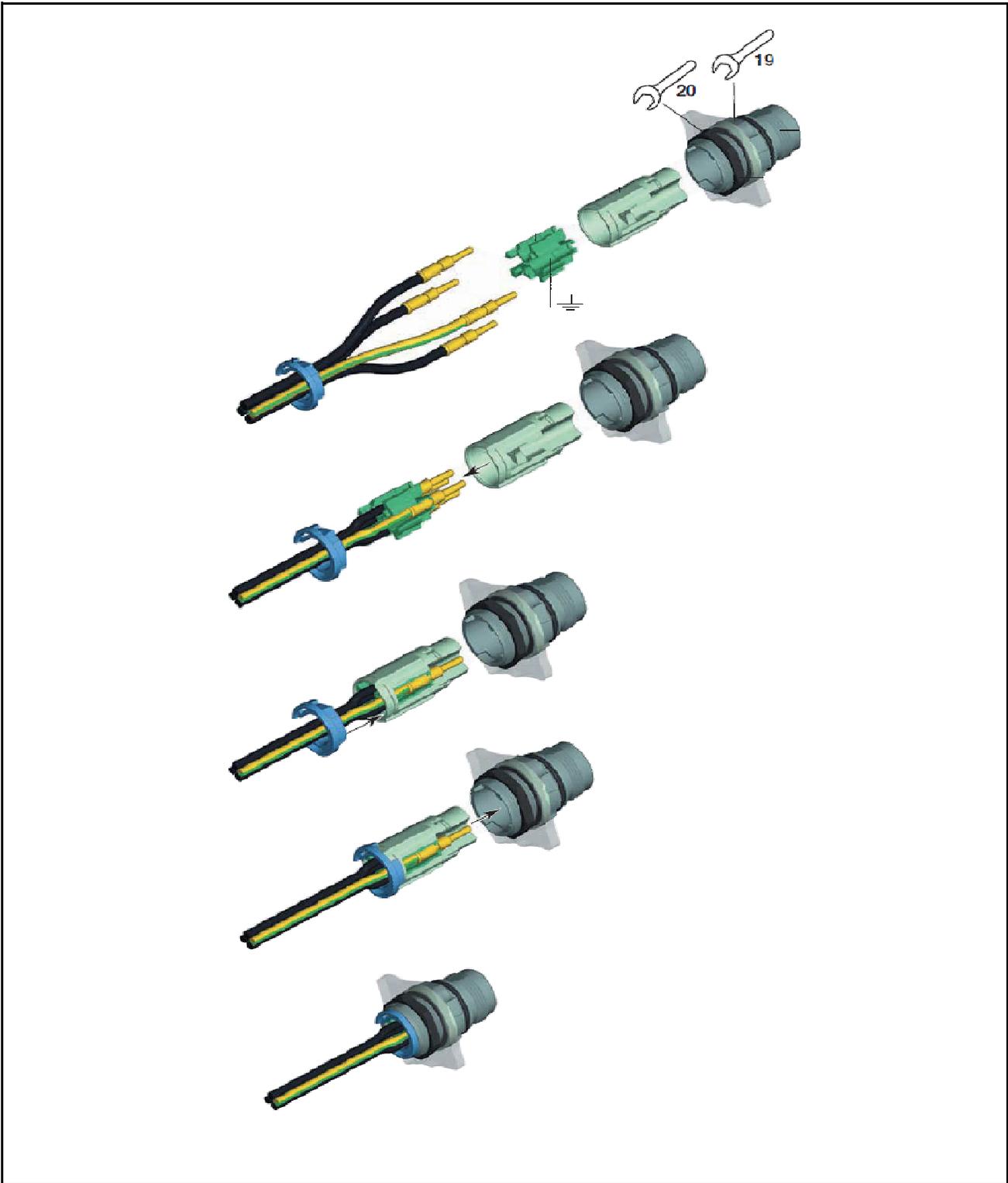
Assembly Instructions
SM connectors style WA, Y0



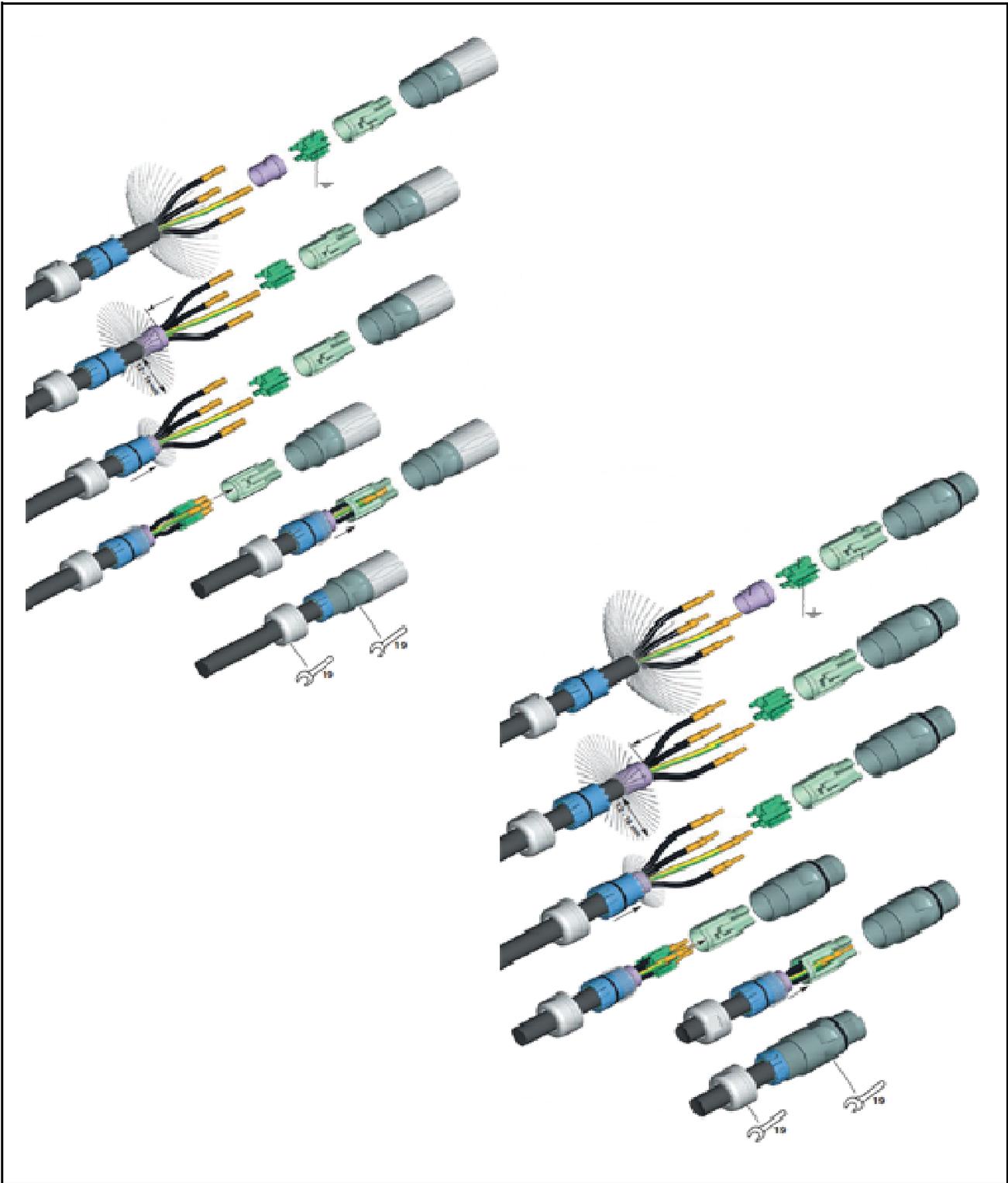
Assembly Instructions
SM connectors style YW



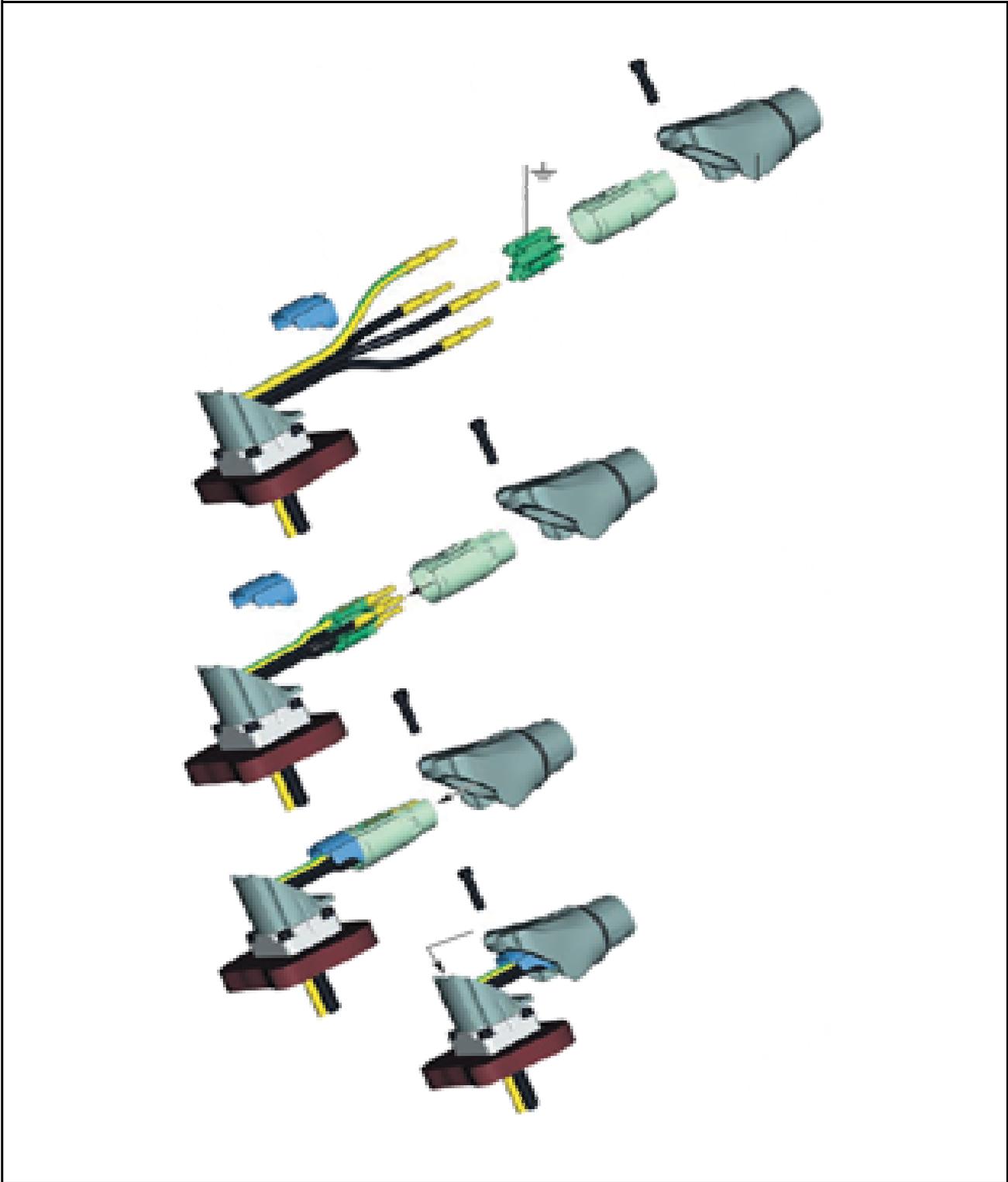
Assembly Instructions
ST connectors style 61



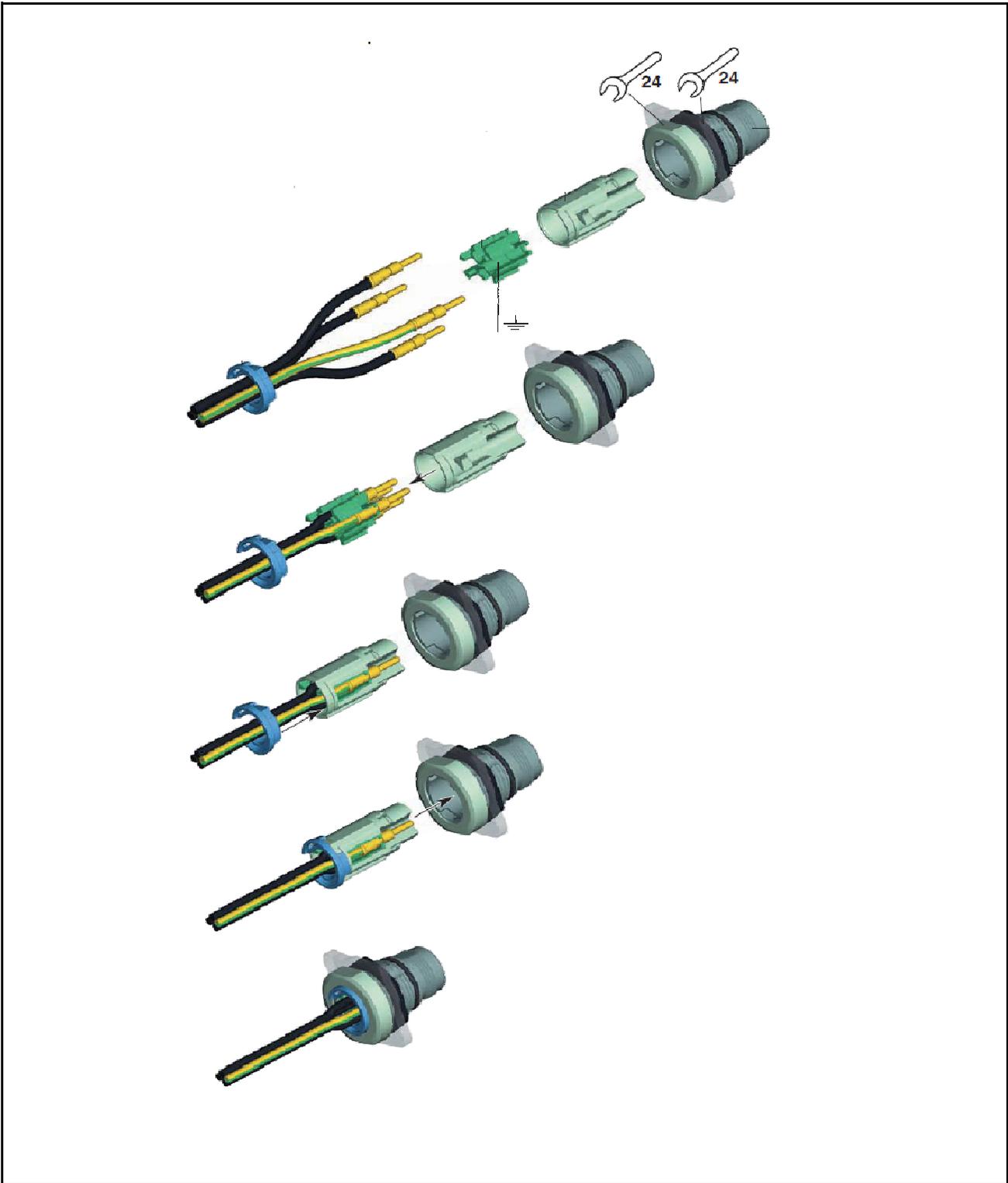
Assembly Instructions
ST connectors style 80, 90



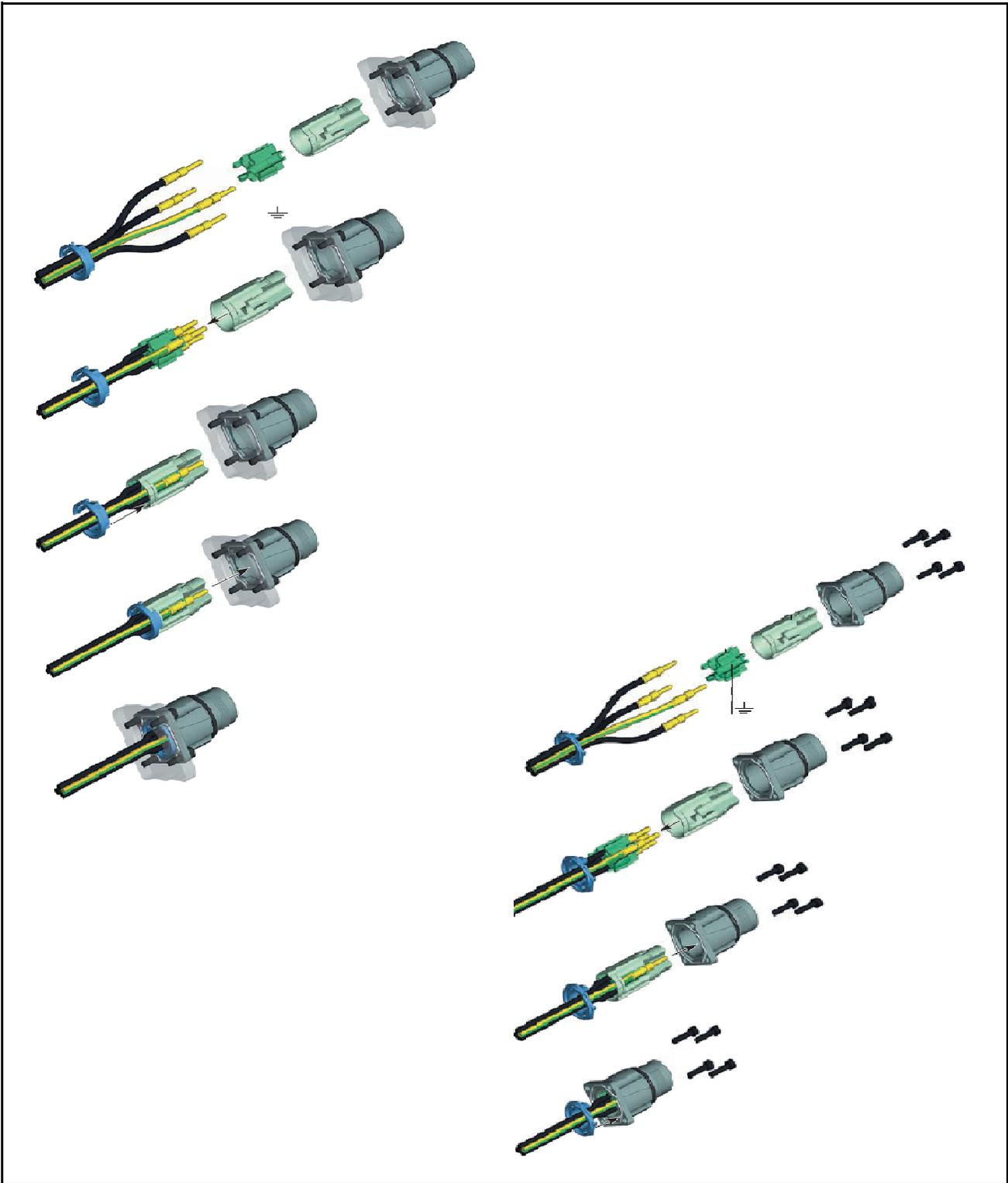
Assembly Instructions
ST connectors style AD, AC



Assembly Instructions
ST connectors style H1



Assembly Instructions
ST connectors style W4, WQ



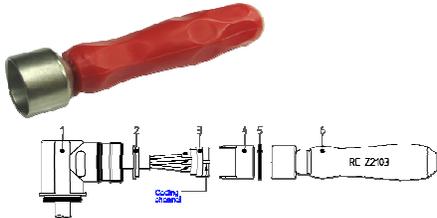
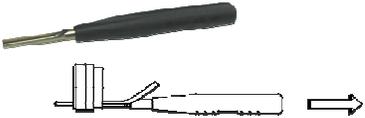
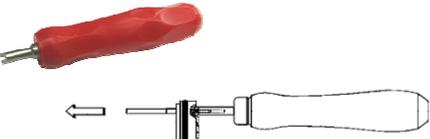
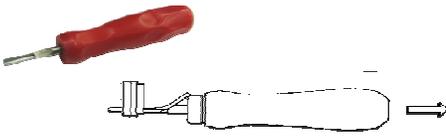


Member of the Phoenix Contact Group

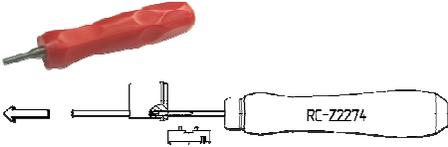
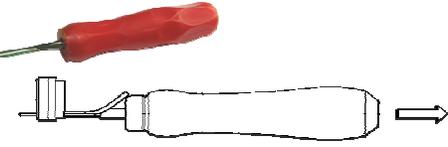
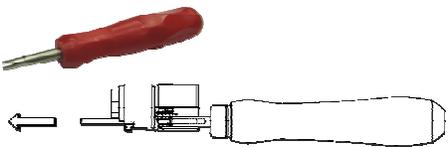
Mounting Tools

Assembling Tools for all Connectors in this Catalog

Mounting Tools

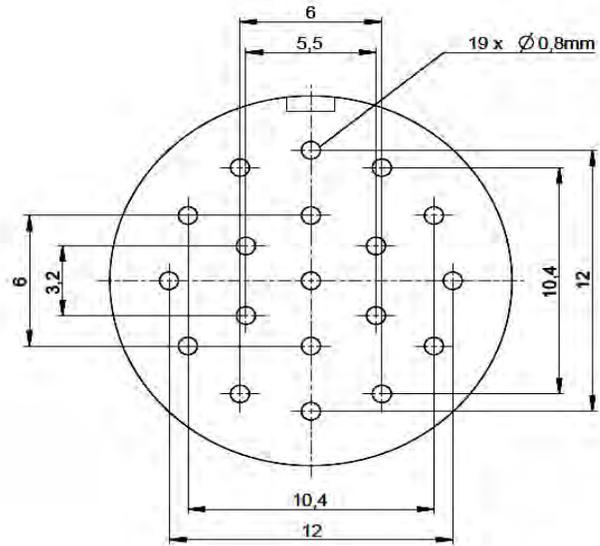
Picture	Description	Part Number
	Assembly tool for RC/UC-Connectors with an outside male thread. This tool holds the insert in place.	RC-Z2096
	Assembly tool for RC/UC-Connectors with female coupling nuts. This tool holds the insert in place.	RC-Z2099
	Assembly tool for panel mount connectors style A, right angled. To push the connector insert in place.	RC-Z2103
	For RC-panel connectors to push the snap ring and the insert into the housing. It can also be done with a screwdriver.	RC-Z2360
	Disassembly tool for the above	RC-Z2290
	Removal tool for crimp contacts from the connecting side.	RC-Z2097
	Removal tool for crimp contacts from the mating side.	RC-Z2098
	Removal tool for crimp contacts from the connecting side.	RC-Z2220

Mounting Tools

Picture	Description	Part Number
	Removal tool for crimp contacts from the mating side.	RC-Z2274
	Removal tool for crimp contacts from the connecting side	RC-Z2219
	Removal tool for crimp contacts from the mating side	SC-Z2273
	Assembly tool for HC-connectors with outside thread	HC-Z2295
	Assembly tool for HC-connectors with coupling nut	HC-Z2294
	<p>Wrenches for tightening the Coninvers connector shells. Quality high performance thin head design.</p> <p>14 and 15 mm 16 and 17 mm 20 and 22 mm 22 and 24 mm 24 and 26 mm 30 and 32 mm</p>	<p>MS-1415 MS-1617 MS-2022 MS-2224 MS-2426 MS-3032</p>

Mounting Tools

Picture	Description	Part Number
	Torque screwdriver incl. sickle spanner for M23 connectors with coupling nut.	SF-Z0028
 <p>spare sickle</p>		SF-Z0027
	Removal tool for RF-panel connectors with connector inserts with snap ring locking.	RF-Z0001
	Removal tool for ST-panel connectors with connector inserts with snap ring locking.	ST-Z0001
	Contact insert and removal tool for RC-crimp contacts male and female with 1 mm Ø	RC-Z2494
	Contact insert and removal tool for RC-crimp contacts male and female with 2 mm Ø	RC-Z2490



Member of the Phoenix Contact Group

PCB Layouts

PCB Layouts for Coninvers Connector Inserts
Series RC (All measurements in mm)



6 positions RC-06... (6 x 2 mm \varnothing)	7 positions RC-07... (7 x 2 mm \varnothing)
9 positions RC-09... (8 x 1 mm, 1 x 2 mm \varnothing)	9 positions RC-63... (6 x 1 mm, 3 x 2 mm \varnothing)

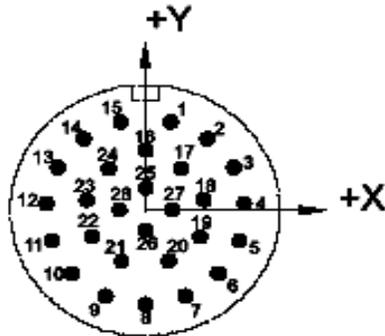
PCB Layouts for Coninvers Connector Inserts
Series RC/RF (All measurements in mm)

12 positions RC/RF-12... (12 x 1 mm \varnothing)	16 positions RC/RF-16... (16 x 1 mm \varnothing)
<p>Diagram showing 12 positions RC/RF-12... layout with dimensions: 11,1, 7,2, (PE), 2,2, 2,8, 5,3, 4,5, 4,3, 1, 3,8, 9,8.</p>	<p>Diagram showing 16 positions RC/RF-16... layout with dimensions: 11,4, 8,8, 5,1, 2,8, 1,1, 0,7, 5,7, 3,6, 2, 5,5, 4,8, 2,5, 3,4, 6,1, 10,4.</p>
17 positions RC/RF-17... (17 x 1 mm \varnothing)	19 positions RC-19... (holes \varnothing can be different)
<p>Diagram showing 17 positions RC/RF-17... layout with dimensions: 9,05, 5,45, 3,4, 1,25, 0,85, 3, 6, 3,95, 5,75, 2,5, 5,05, 4,5, 6,5, 10,9, 11,9.</p>	<p>Diagram showing 19 positions RC-19... layout with dimensions: 6, 5,5, PE, 6, 3,2, 10,4, 12.</p>

PCB Layouts for Coninvers Connector Inserts

Series HC (All measurements in mm)

26/28 positions HC-26/28... (26/28 x 1 mm Ø)



(X / Y)

Pos. 1 = (+1,95/ +7,47)

Pos. 2 = (+4,8 / +6,05)

Pos. 3 = (+6,82/ +3,65)

Pos. 4 = (+7,7 / +0,6)

Pos. 5 = (+7,28/ -2,53)

Pos. 6 = (+5,67/ -5,2)

Pos. 7 = (+3,08/ -7,08)

Pos. 8 = (0 / -7,73)

Pos. 9 = (-3,08/ -7,08)

Pos. 10 = (-5,67/ -5,2)

(X / Y)

Pos. 11 = (-7,28/ -2,53)

Pos. 12 = (-7,7 / +0,6)

Pos. 13 = (-6,82/ +3,65)

Pos. 14 = (-4,8 / +6,05)

Pos. 15 = (-1,95/ +7,47)

Pos. 16 = (0 / +5,03)

Pos. 17 = (+2,82/ +3,6)

Pos. 18 = (+4,55/ +0,97)

Pos. 19 = (+4,2 / -2,13)

Pos. 20 = (+1,83/ -4,17)

(X / Y)

Pos. 21 = (-1,83/ -4,17)

Pos. 22 = (-4,2 / -2,13)

Pos. 23 = (-4,55/ +0,97)

Pos. 24 = (-2,82/ +3,6)

Pos. 25 = (0 / +1,88)

Pos. 26 = (0 / -1,6)

Pos. 27 = (+2,02/ +0,14)

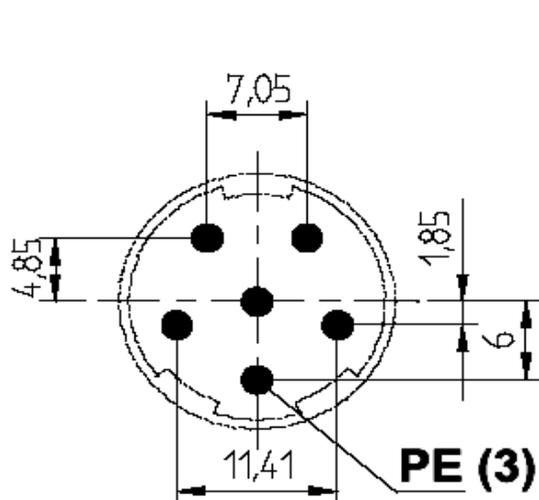
Pos. 28 = (-2,02/ +0,14)

PCB Layouts for Coninvers Connector Inserts

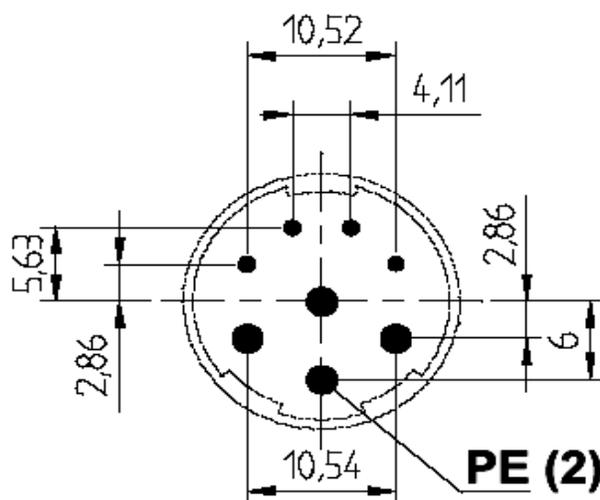
Series SC/SF/SSP (All measurements in mm)

6 (5+PE) and 8 (4+3+PE) positions SC/SF/SSP-06 or SC/SF/SSP-08

(6 x 2 mm \emptyset and 4 x 1 mm + 4 x 2 mm \emptyset)



6pol. (5+PE)



8pol. (4+3+PE)



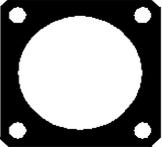
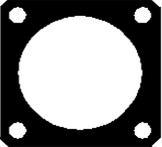
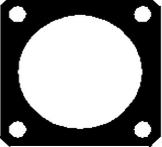
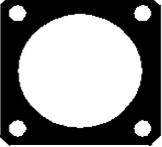
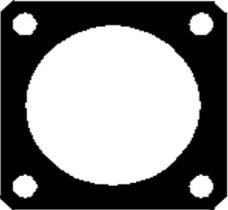
Member of the Phoenix Contact Group

Connector Accessories

Gaskets, Nuts, O-rings, Sealings, Caps

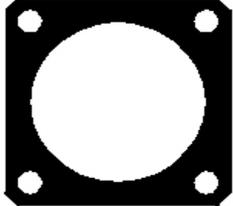
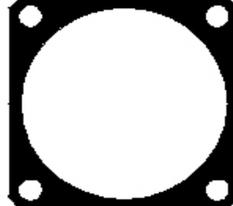
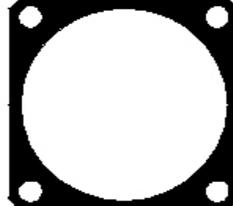
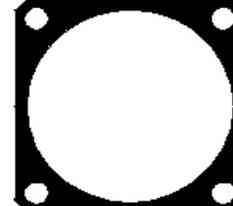
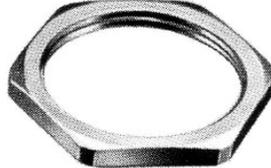
Accessories for all Coninvers Connectors
Gaskets for Bulkhead Connectors



Picture	Description	Part Number
	Gasket for Bulkhead Connectors front mount, square flange, FPM (Fluor rubber) 25 mm □, 4 holes 2 mm Ø no stiffness	RC-Z2214
	Gasket for Bulkhead Connectors front mount, square flange, NBR (Perbunan) 25 mm □, 4 holes 3 mm Ø stiffened	RC-Z2047
	Gasket for Bulkhead Connectors front mount, square flange, NBR (Perbunan) 25 mm □, 4 holes 3 mm Ø stiffened and self-adhesive on one side	RC-Z2212
	Gasket for Bulkhead Connectors front mount, square flange, NBR (Perbunan) 25 mm □, 4 holes 3 mm Ø no stiffness	RC-Z2211
	Gasket for Bulkhead Connectors front mount, square flange, NBR (Perbunan) 25 mm □, 4 holes 2 mm Ø stiffened	RC-Z2213
	Gasket for Bulkhead Connectors front mount, square flange, NBR (Perbunan) 25 mm □, 4 holes 2 mm Ø stiffened and self-adhesive on one side	RC-Z2271
	Gasket for Bulkhead Connectors rear mount, square flange, NBR (Perbunan) 25 mm □, 4 holes 3 mm Ø stiffened	RC-Z2048
	Gasket for Bulkhead Connectors Series HC front mount, square flange, FPM (Fluor rubber) 30 mm □, 4 holes 2.6 mm Ø	HC-Z2297

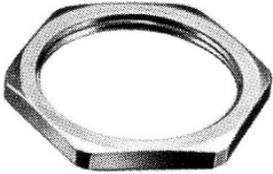


Accessories for all Coninvers Connectors
Gaskets/Nuts for Bulkhead Connectors

Picture	Description	Part Number
	Gasket for Bulkhead Connectors Series HC front mount, square flange, NBR (Perbunan) 30 mm □, 4 holes 2.6 mm Ø	HC-Z2296
	Gasket for Bulkhead Connectors Series HC rear mount, square flange, FPM (Fluor rubber) 30 mm □, 4 holes 2.6 mm Ø	HC-Z2299
	Gasket for Bulkhead Connectors Series HC rear mount, square flange, NBR (Perbunan) 30 mm □, 4 holes 2.6 mm Ø	HC-Z2298
	Gasket for Bulkhead Connectors TU style 4 rear mount, square flange FPM (Fluor rubber) 30 mm □, 4 holes 3.2 mm Ø	RC-15760
	Hex nut for flange connector Series HC style 63, HC-xxxxxxx6300 brass, nickel plated PG 21 thread	HC-Z2300
	Hex nut for flange connector Series HC style 63, HC-xxxxxxx6300 stainless steel PG 21 thread	HC-914010

Accessories for all Coninvers Connectors
Washers/Nuts for Bulkhead Connectors



Picture	Description	Part Number
	Hex nut for flange connectors style H M25 x 1.5 mm brass, nickel plated	RC-13961
	Hex nut for flange connectors style RC6/6R M20 x 1.5 mm brass, nickel plated M 18 x 0.75 mm	RC-13041 ST-E2015151
	Hex nut for flange connectors style RC6/6R M20 x 1.5 mm stainless steel	RC-13061
	Washers for flange connectors style H/G/Q 33.2 mm O.D. - 25.1 mm I.D. - brass/nickel dto. yellow coated dto. black coated dto. blue coated dto. green coated dto. red coated	RC-13971 RC-13971-YE RC-13971-BK RC-13971-BL RC-13971-GN RC-13971-RD
	Washers for flange connectors style RC6/6R 29.8 mm O.D. - 20.3 mm I.D. - brass/nickel dto. yellow coated dto. black coated dto. blue coated dto. green coated dto. red coated	RC-13031 RC-13031-YE RC-13031-BK RC-13031-BL RC-13031-GN RC-13031-RD
	Washers for flange connectors style RC6/6R 29.8 mm O.D. - 20.3 mm I.D. made of stainless steel	RC-13035



Accessories for all Coninvers Connectors
Coupling Nuts and Screws for Bulkhead/Cable Connectors

Picture	Description	Part Number
	<p>Coupling nuts for cable connectors RC. As a spare part or for coloring purposes of the connector. brass, nickel plated black coated blue coated green coated red coated yellow coated</p> 	<p>RC-E0001 RC-E0001-BK RC-E0001-BL RC-E0001-GN RC-E0001-RD RC-E0001-YE</p>
	<p>Retaining screws for special coupling nuts for cable connectors series RC. Two screws for each coupling nut are necessary. Made of brass, nickel plated.</p>	<p>RC-15081</p>
	<p>Retaining screws for special coupling nuts For cable connectors series RC. Two screws for each coupling nut are necessary. Made of stainless steel</p>	<p>RC-15120</p>
	<p>Special screws for bulkhead connectors angled version, style AD with hex hole head, M3x10 mm steel, galv. As spare parts only. Screws are already delivered with the connector.</p>	<p>RC-1514000</p>



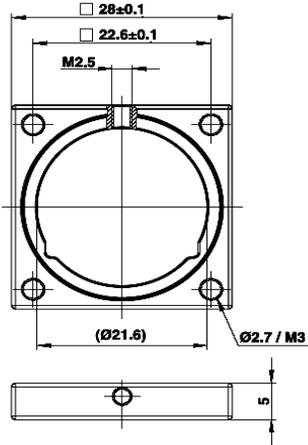
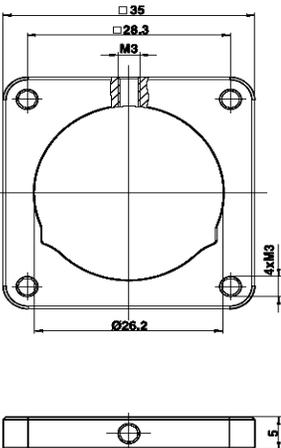
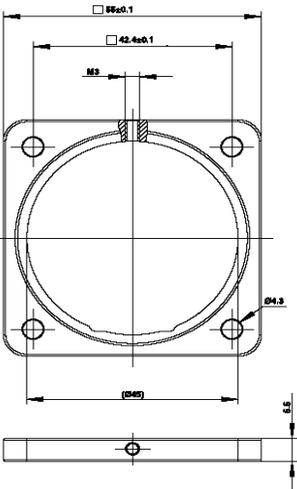
Accessories for all Coninvers Connectors

Flat-rings, O-rings, Snap-rings

Picture	Description	Part Number
	Flat seal ring for round bulkhead connectors RC style 6. 1.5 mm thick 24.0 mm O.D. 20.5 mm I.D.	RC-13050
	O-rings for Coninvers bulkhead connectors. 17 mm I.D. 1.5 mm thickness 18 mm I.D. 1.5 mm thickness 20 mm I.D. 1.5 mm thickness 21.5 mm I.D. 1.5 mm thickness 23.5 mm I.D. 1.5 mm thickness 26 mm I.D. 1.5 mm thickness	RC-13430 RC-13490 RC-15320 SC-513580 RC-913500 RC-15260
	O-rings for Coninvers bulkhead connectors. 1,6 mm I.D. 1.0 mm thickness 17 mm I.D. 1.0 mm thickness 18 mm I.D. 1.0 mm thickness 19 mm I.D. 1.0 mm thickness 20 mm I.D. 1.0 mm thickness 22 mm I.D. 1.0 mm thickness	SC-13400 SC-13500 SC-513530 RC-13880 HC-15250 RC-513560
	O-rings for Coninvers bulkhead connectors. As spare parts or for coloring purposes. 20 mm I.D. 1.5 mm thickness blue green red yellow	RC-15320-BL RC-15320-GN RC-15320-RD RC-15320-YE
	Black PVC snap ring to clip in the connector insert into the connector shell. As spare parts only. This snap ring is included in each delivered connector. Can be assembled with a screw driver or with RC-Z2360 and RC-Z2290	RC-13200
	Steel snap ring to clip in the connector insert into the connector shell. As spare parts only. Same as before, but it is not possible to disassemble.	RC-15480

Accessories for all Coninvers Connectors

Flanges for ST cable connectors

Picture	Description	Part Number
	<p>Square mounting flange, brass/nickel, for Connectors, series ST with O-ring for sealing purposes. with 4 holes 2.7 mm Ø with 4 threads M3</p> <p>Square mounting flange, brass/nickel, without O-ring with 4 holes 2.7 mm Ø with 4 threads M3</p>	<p>ST-Z0002 ST-Z0003</p> <p>ST-Z0004 ST-Z0005</p>
	<p>Square mounting flange, brass/nickel, for Connectors, series RF without O-ring with 4 threads M3</p>	<p>RF-Z0003</p>
	<p>Square mounting flange, brass/nickel, for Connectors, series SM with O-ring for sealing purposes. with 4 holes 4.3 mm Ø</p> <p>Square mounting flange, brass/nickel, for Connectors, series SM without O-ring with 4 holes 4.3 mm Ø</p>	<p>SM-Z0003</p> <p>SM-Z0004</p>

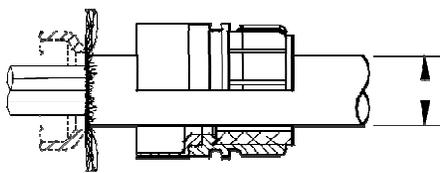
Accessories for all Coninvers Connectors

Sealing Material for SM, SF

Picture	Description	Part Number
	Spare parts sealing clamp for Connectors, series SM short version for cable Ø 9.0 up to 12.5 mm for cable Ø 12.5 up to 17.0 mm for cable Ø 17.0 up to 21.0 mm for cable Ø 21.0 up to 25.5 mm	SM-8002 SM-8003 SM-8004 SM-8005
	Spare parts sealing clamp for Connectors, series SM long version for cable Ø 9.0 up to 12.5 mm for cable Ø 12.5 up to 17.0 mm for cable Ø 17.0 up to 21.0 mm for cable Ø 21.0 up to 25.5 mm	SM-8L02 SM-8L03 SM-8L04 SM-8L05
	Spare parts sealing clamp for Connectors, series SF short version for cable Ø 7.5 up to 14.0 mm (DU) for cable Ø 7.5 up to 9.0 mm (A1) for cable Ø 9.0 up to 11.0 mm (A2) for cable Ø 11.0 up to 14.0 mm (A3) long version for cable Ø 7.5 up to 18.0 mm (DL) for cable Ø 7.5 up to 9.0 mm (B4) for cable Ø 9.0 up to 12.0 mm (B3) for cable Ø 12.0 up to 15.0 mm (B2) for cable Ø 15.0 up to 18.0 mm (B1)	SF-1515100 SF-1515110 SF-1515120 SF-1515130 SF-1515000 SF-1515040 SF-1515030 SF-1515020 SF-1515010
	Spare parts sealing clamp for Connectors, series RF for cable Ø 3.0 up to 13.2 mm (80DU/90DU) for cable Ø 6.0 up to 10.0 mm (8002/9002) for cable Ø 9.0 up to 13.2 mm (8003/9003)	RF-2515030 RF-2515010 RF-2515020

Accessories for shielded Coninvers Connectors

Sealing/Shielding Material for UC-Connectors

Picture	Description	Part Number
	Shielding and Sealing material (spare parts) for all shielded UC-connectors with universal shielding application. Clamp with shielding bell, Seal Ring	
	Empty clamp cage O-ring for clamp cage	UC-513020 UC-513520
	Shielding bell for clamp cage	UC-512021
	Seal Rings for clamp cage NBR sealing ring 9 mm inside Ø FPM sealing ring 9 mm inside Ø NBR sealing ring 10 mm inside Ø FPM sealing ring 10 mm inside Ø NBR sealing ring 12 mm inside Ø FPM sealing ring 12 mm inside Ø NBR sealing ring 14 mm inside Ø FPM sealing ring 14 mm inside Ø NBR sealing ring 15.5 mm inside Ø FPM sealing ring 15.5 mm inside Ø NBR sealing ring universal 2-14.5 mm inside Ø FPM sealing ring universal 2-14.5 mm inside Ø	UC-Z2336 UC-Z2343 UC-Z2337 UC-Z2344 UC-Z2339 UC-Z2346 UC-Z2341 UC-Z2348 UC-Z2342 UC-Z2349 UC-Z2350 UC-Z2351

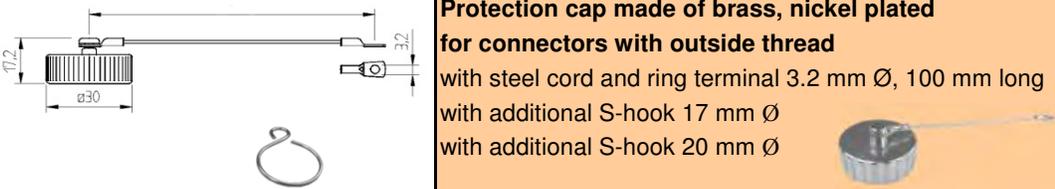
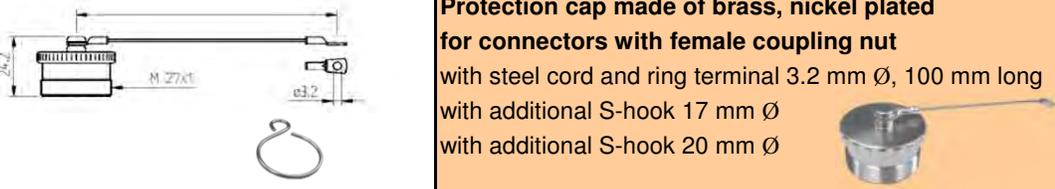
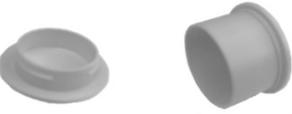
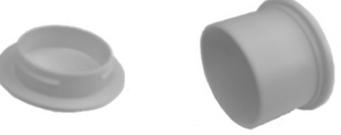
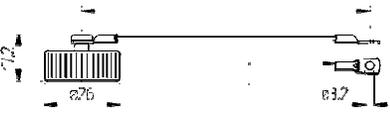
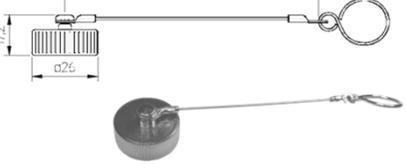
Accessories for Coninvers Connectors

Caps for TU connectors and S-hooks

Picture	Description	Part Number
	<p>S-hooks as spare part for caps with chain or attached cord.</p> <p>20 mm diameter stainless steel 17 mm diameter steel gavanized</p>	<p>RDE-138020-20 RDE-138020-17</p>
	<p>Plastic caps for TU-connectors</p> <p>Plastic cap for connectors with outside groove Plastic cap for connectors with coupling nut</p>	<p>TU-Z2002 TU-Z2003</p>
 	<p>Metal cap fur TU-connectors</p> <p>with steel cord and ring terminal 3.2 mm Ø cord length approx. 80 mm same as above with additional S-hook 17 mm Ø same as above with additional S-hook 20 mm Ø</p>	<p>TU-Z2317 TU-2317-17 TU-2317-20</p>

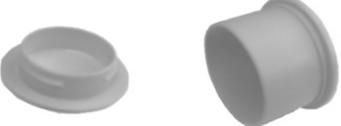
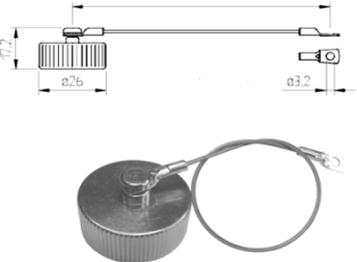
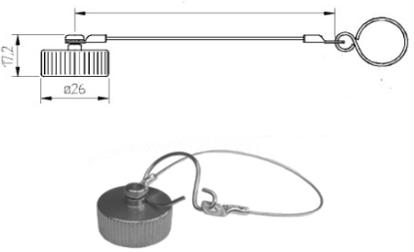
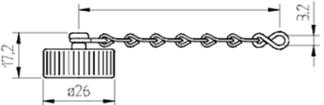
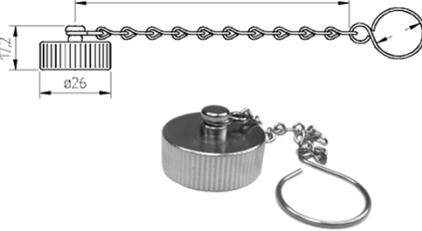
Accessories for Coninvers Connectors

Caps for HC/ST/SF connectors

Picture	Description	Part Number
	Plastic cap for HC connectors cap for connectors with male thread cap for connectors with female coupling nut	HC-Z2292 HC-Z2293
	Protection cap made of brass, nickel plated for connectors with outside thread with steel cord and ring terminal 3.2 mm Ø, 100 mm long with additional S-hook 17 mm Ø with additional S-hook 20 mm Ø	HC-Z2291 HC-Z2291-17 HC-Z2291-20
	Protection cap made of brass, nickel plated for connectors with female coupling nut with steel cord and ring terminal 3.2 mm Ø, 100 mm long with additional S-hook 17 mm Ø with additional S-hook 20 mm Ø	HC-Z2329 HC-Z2330 HC-Z2330-20
	Plastic caps for ST-connectors cap for connectors with male thread cap for connectors with female coupling nut	ST-Z0006 ST-Z0007
	Plastic cap for SC/SI/SF/SSP connectors cap for connectors with male thread cap for connectors with female coupling nut	RC-Z2059 RC-Z2058
	Protection cap made of brass, nickel plated/ or SS for connectors with outside thread Series SF steel cord with ring terminal, 100 mm long steel cord with ring terminal, 100 mm long, SS steel cord with ring terminal, 150 mm long, SS	SC-Z2320 SC-Z2320-SS SC-Z23150-SS
	Protection cap made of brass, nickel plated/ or SS for connectors with outside thread Series SF cord with ring terminal plus S-hook 17 mm, 100 mm long cord with ring terminal plus S-hook 20 mm, 100 mm long cord with ring terminal plus S-hook 20 mm, 100 mm long, SS cord with ring terminal plus S-hook 20 mm, 150 mm long, SS	SC-Z2321 SC-Z2321-20 SC-Z2321-20-SS SC-Z21150-SS

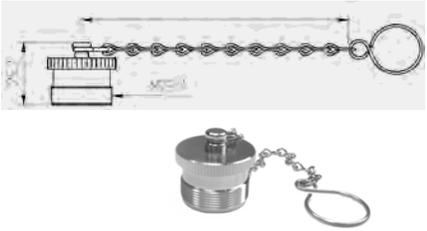
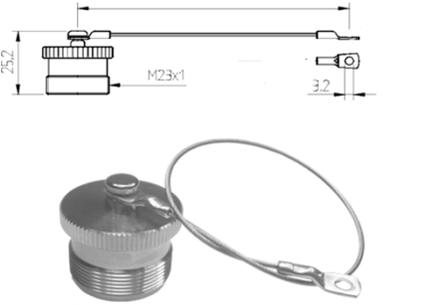
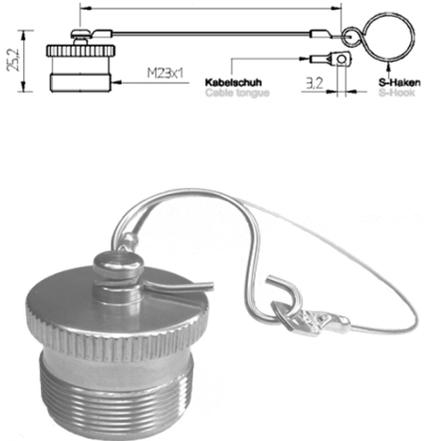
Accessories for Coninvers Connectors

Caps for RC/UC/SSR/RF connectors

Picture	Description	Part Number
	Protection caps made of PVC cap for connectors with male thread cap for connectors with female coupling nut	RC-Z2059 RC-Z2058
	Protection Cap without cord for connectors with male thread, brass/nickel	 RC-Z2104
	Protection cap with cord and ring terminal 3.2mm Ø for connectors with male thread cord 70 mm long, made of brass/nickel cord 100 mm long, made of brass/nickel cord 150 mm long, made of brass nickel cord 70 mm long, made of stainless steel cord 100 mm long, made of stainless steel cord 150 mm long, made of stainless steel	RC-Z2064 RC-Z2068 RC-Z2252 RC-Z2064-SS RC-Z2068-SS RC-Z2252-SS
	Protection cap with cord and ring terminal 3.2 mm Ø with additional S-hook for connectors with male thread cord 100 mm long, S-hook 17 mm Ø, brass/nickel cord 100 mm long, S-hook 20 mm Ø, brass/nickel cord 70 mm long, S-hook 20 mm Ø, made of stainless steel cord 100 mm long, S-hook 20 mm Ø, made of stainless steel cord 150 mm long, S-hook 20 mm Ø, made of stainless steel	RC-Z2301 RC-Z2301-20 RC-Z2064-20-SS RC-Z2301-20-SS RC-Z2252-20-SS
	Protection cap with chain for connectors with male thread chain 70 mm long	 RC-Z2250
	Protection cap with chain and S-hook, brass/nickel for connectors with male thread chain 100 mm long, S-hook with 17 mm Ø chain 100 mm long, S-hook with 20 mm Ø chain 180 mm long, S-hook with 20 mm Ø	RC-Z2255 RC-Z2255-20 RC-Z2478-20

Accessories for Coninvers Connectors

Caps for RC/UC/RF/SSR connectors

Picture	Description	Part Number
	<p>Protection cap with chain for connectors with female coupling nut made of brass, nickel plated chain 100 mm long</p>	<p>RC-Z2251</p>
	<p>Protection caps with chain and additional S-hooks for connectors with female coupling nut made of brass, nickel plated</p> <p>chain 100 mm long with S-hook 17 mm Ø chain 100 mm long with S-hook 20 mm Ø</p>	<p>RC-Z2254 RC-Z2254-20</p>
	<p>Protection caps with steel cord and ring terminal 3.2 mm Ø for connectors with female coupling nut made of brass, nickel plated or stainless steel</p> <p>cord 100 mm long, brass/nickel cord 100 mm long, stainless steel cord 150 mm long, brass/nickel cord 150 mm long, stainless steel</p>	<p>RC-Z2062 RC-Z2062-SS RC-Z2253 RC-Z2253-SS</p>
	<p>Protection caps with steel cord and ring terminal 3.2 mm Ø plus additional S-hooks for connectors with female coupling nut made of brass, nickel plated or stainless steel</p> <p>cord 100 mm long, brass/nickel, S-hook 17 mm Ø cord 100 mm long, brass/nickel, S-hook 20 mm Ø cord 100 mm long, stainless steel, S-hook 20 mm Ø cord 150 mm long, brass/nickel, S-hook 17 mm Ø cord 150 mm long, brass/nickel, S-hook 20 mm Ø cord 150 mm long, stainless steel, S-hook 20 mm Ø</p>	<p>RC-Z2065 RC-Z2065-20 RC-Z2065-20-SS RC-Z2253-17 RC-Z2253-20 RC-Z2253-20-SS</p>



Member of the Phoenix Contact Group

T U Series

Shielded Connectors in Bayonet Style

Shielded Connectors Bayonet Series TU

Technical Data



Shell material

Machined components: Copper-Zinc alloy (CuZn)
 die cast components: Zinc (GD-Zn)
 Shell plating: Nickel (Ni) plated
 Cable entry: max. 14 mm

Insulator

Connector inserts: Thermoplastic polyester (PBT), Polyamid (PA66),

Contacts

Contact material: Copper-Zinc alloy (CuZn)
 Contact plating: Nickel (Ni) with gold (Au) passivated
 Contact termination: Solder cup, crimp type, screw type, dip solder

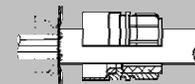
Sealing

Sealing rings: Fluor rubber (FPM)
 Gaskets: Fluor rubber (FPM), or Perbunan (NBR) stiffened gaskets

Temperature

Temperature (long term) Celsius: - 20 °C up to +125°C
 Temperature (long term) Fahrenheit: - 4 °F up to + 257 °F

All connectors with universal shielding material for different jacket and shield diameters.



EMC
shielding

Mating

Female coupling nuts: bayonet type (ring nut) dia. 29.3 mm
 Male receptacles: bayonet type (grooves)
 Mating cycles: Standard min. 50

Protection

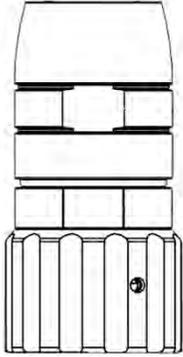
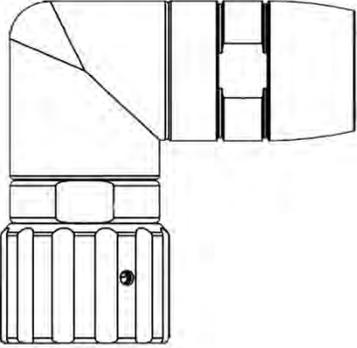
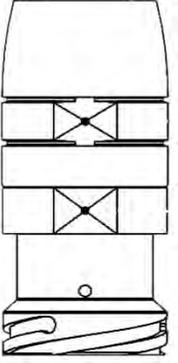
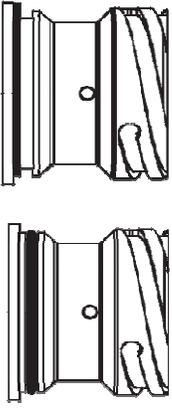
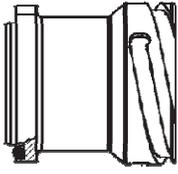
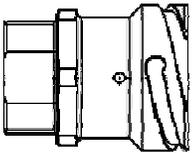
Protection class : IP 67 (mated) depends on which cable gland is used

Number of positions	6,7	9 (8+1)	9 (6+3)	12	16	17	19 (16+3)
Number of contacts	6,7	8 1	6 3	12	16	17	16 3
Contact dia. (mm Ø)	2	1 2	1 2	1	1	1	1 1.5
Rated current (A)	20	8 20	8 20	8	8	8	8 10
Rated voltage (V)	250	150	150	150	150	150	150
Test voltage (Volt AC)	2,500	1,500	1,500	1,500	1,500	1,500	1,500
Overtoltage category DIN EN 61984-2001	II	II	II	II	II	II	II
Insulation resistance (Ω)	≥10 ¹⁶	≥10 ¹⁶	≥10 ¹²	≥10^{12}	≥10^{12}	≥10^{12}	≥10^{12}
Contact resistance (mΩ)	≤3	≤3	≤3	≤3	≤3	≤3	≤3
Pollution degree acc. to IEC 664-1	2 (3 ¹)						

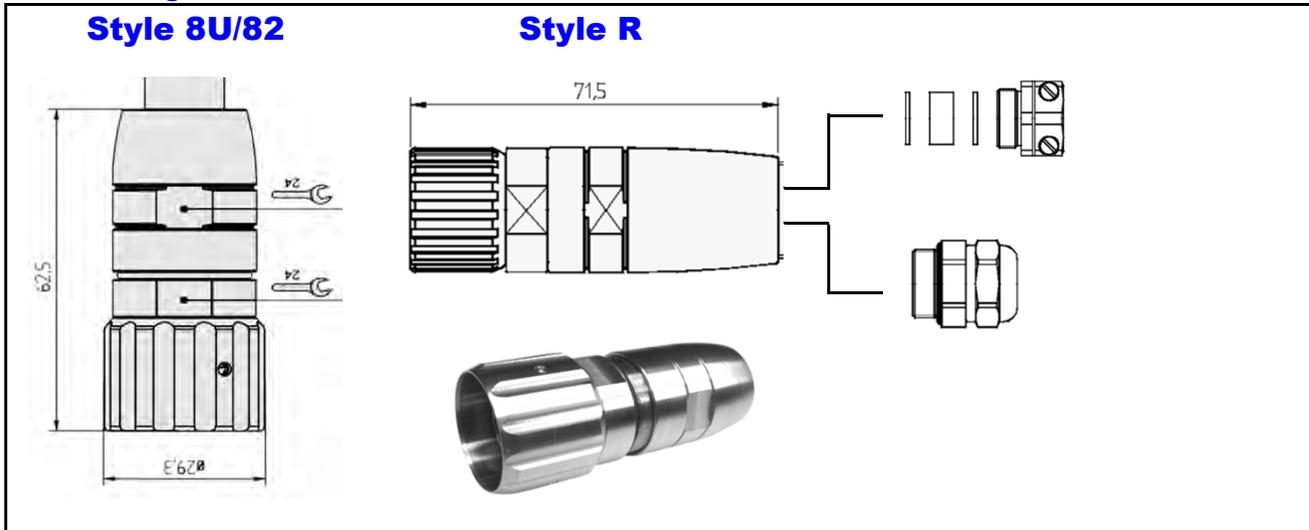
Connectors and Bulkheads Bayonet Series TU

Shell styles 8, R, F, N, T, 9, 4, 5, WB, 6



TU-xxxxxxx8xxx page C-A-04	TU-xxxxxxxTxxx page C-A-05	TU-xxxxxxx9xxx page C-A-06
cable connector straight with coupling nut bayonet cable entry max. 18 mm universal shielding material	cable connector right angled with coupling nut bayonet cable entry max. 18 mm universal shielding material	cable connector straight with bayonet grooves cable entry max. 18 mm universal shielding material
 <p style="text-align: center;">style 8U/82/R</p>	 <p style="text-align: center;">style TU/T2/N</p>	 <p style="text-align: center;">style 9U/92/F</p>
TU-xxxxxxx4(5)xxx page C-A-07	TU-xxxxxxxWBxx page C-A-08	TU-xxxxxxx61xx page C-A-09
rear mount, straight square flange, O-ring/gasket flange with threads/holes with bayonet grooves	front mount, straight square flange, O-ring flange with holes with bayonet grooves	front mount, straight round flange, O-ring for mounting thread M20 with bayonet grooves
 <p style="text-align: center;">style 41/43</p>	 <p style="text-align: center;">style WB</p>	 <p style="text-align: center;">style 61</p>

Shielded Connectors Bayonet Series TU
fits all TU- Bulkhead
Shell style 8U/82/R3/RN/RM

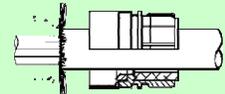


Assembly instructions: page B-D-01
 Caps and accessories: pages B-H-01...

Mounting tools: page: B-E-01...

Crimp tool for contacts: pages B-B-01...
 Crimp contacts: pages B-C-01....

All TU-connectors with universal shielding material for different jacket and shield diameters.



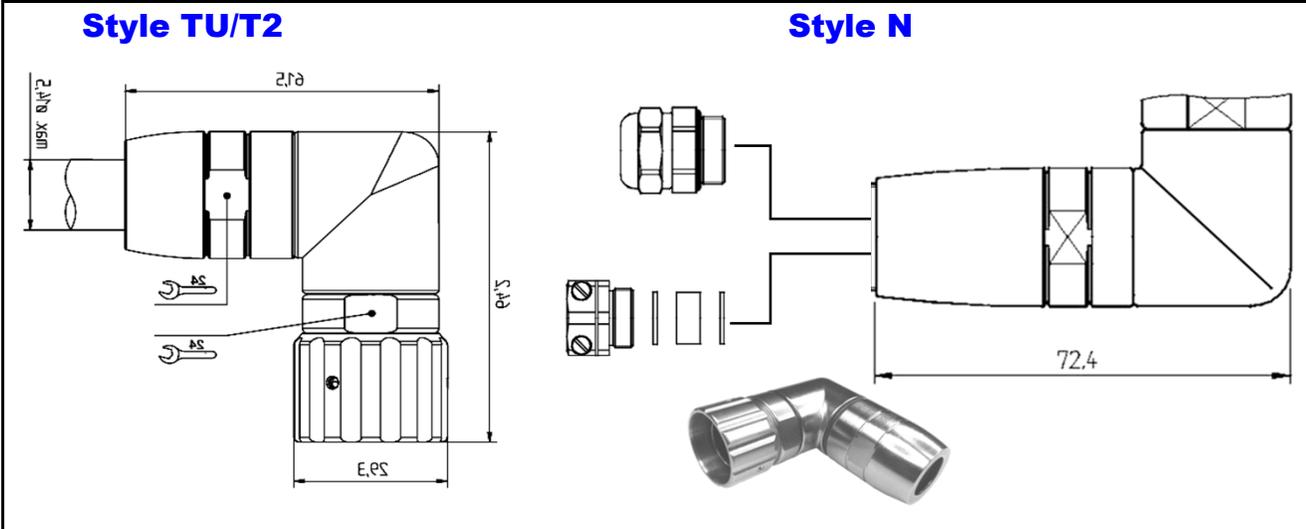
We also deliver as a connector set.
 Connector with crimp insert - and contacts separate included. Please ask for P/N.

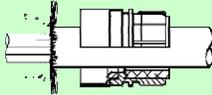


Part Number	TU-	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	
Please fill in the first 7 digits of your desired connector insert (6-19 positions) from pages B-A-01....																	
Connectors with integrated strain relief and....																	
universal seal ring 3-14.5 mm cable dia.																	8 U D U
closed endbell for termination purposes																	8 2 N N
seal ring and open thread PG 13.5																	R 3 D U
seal ring and double lever cable gland PG 13.5 (8.5-14 mm)																	R 3 D U - D L
seal ring and IP 68 cable gland PG 13.5 (8-13 mm)																	R 3 D U - I P
seal ring and open thread PG 16																	R N D U
seal ring and double lever cable gland PG 16 (11-15 mm)																	R N D U - D L
seal ring and IP 68 cable gland PG 16 (8-14 mm)																	R N D U - I P



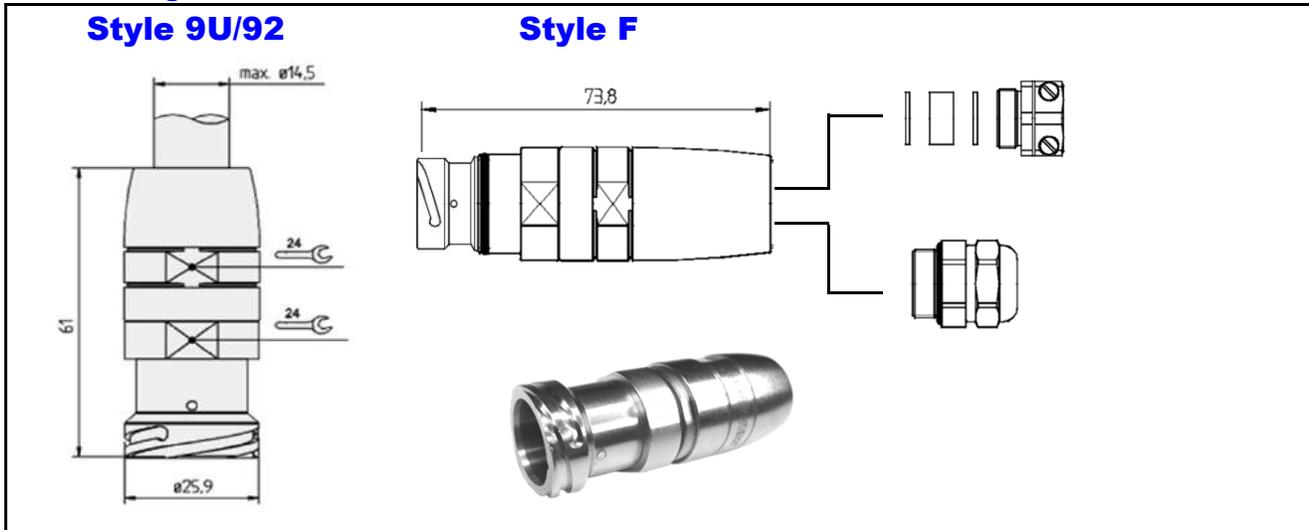
Shielded Connectors Bayonet Series TU
fits all TU- Bulkhead
Shell style TU/T2/N3/NN/NM

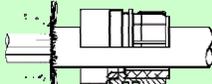


Assembly instructions: page B-D-01 Caps and accessories: pages B-H-01... Mounting tools: page: B-E-01... Crimp tool for contacts: pages B-B-01... Crimp contacts: pages B-C-01.....	All TU-connectors with universal shielding material for different jacket and shield diameters. 
	We also deliver as a connector set. Connector with crimp insert - and contacts separate included. Please ask for P/N. 

Part Number	TU-	X	X	X	X	X	X	X	X	X	X	X	-	X	X
Please fill in the first 7 digits of your desired connector insert (6-19 positions) from pages B-A-01....															
Connectors with integrated strain relief and....															
universal seal ring 3-14.5 mm cable dia.										T U D U					
closed endbell for termination purposes										T 2 N N					
seal ring and open thread PG 13.5										N 3 D U					
seal ring and double lever cable gland PG 13.5 (8.5-14 mm)										N 3 D U - D L					
seal ring and IP 68 cable gland PG 13.5 (8-13 mm)										N 3 D U - I P					
seal ring and open thread PG 16										N N D U					
seal ring and double lever cable gland PG 16 (11-15 mm)										N N D U - D L					
seal ring and IP 68 cable gland PG 16 (8-14 mm)										N N D U - I P					

Shielded Connectors Bayonet Series TU
fits all TU-Cable Connectors with coupling nut
Shell style 9U/92/F3/FN/FM



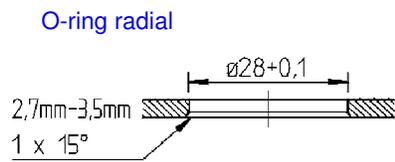
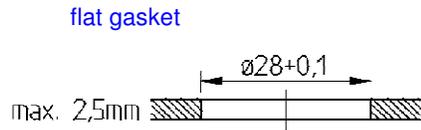
Assembly instructions: page B-D-01 Caps and accessories: pages B-H-01... Mounting tools: page: B-E-01... Crimp tool for contacts: pages B-B-01... Crimp contacts: pages B-C-01....	All TU-connectors with universal shielding material for different jacket and shield diameters. 
	We also deliver as a connector set. Connector with crimp insert - and contacts separate included. Please ask for P/N. 

Part Number	TU-	X	X	X	X	X	X	X	X	X	X	X	-	X	X	
Please fill in the first 7 digits of your desired connector insert (6-19 positions) from pages B-A-01....																
Connectors with integrated strain relief and....																
universal seal ring 3-14.5 mm cable dia.																9 U D U
closed endbell for termination purposes																9 2 N N
seal ring and open thread PG 13.5																F 3 D U
seal ring and double lever cable gland PG 13.5 (8.5-14 mm)																F 3 D U - D L
seal ring and IP 68 cable gland PG 13.5 (8-13 mm)																F 3 D U - I P
seal ring and open thread PG 16																F N D U
seal ring and double lever cable gland PG 16 (11-15 mm)																F N D U - D L
seal ring and IP 68 cable gland PG 16 (8-14 mm)																F N D U - I P

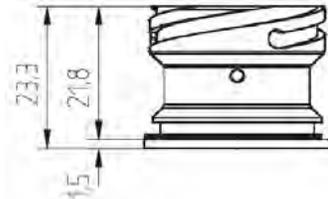


Shielded Connectors Bayonet Series TU
fits all TU-Cable Connectors with coupling nut
Shell style 4, 5 (rear mount receptacles)

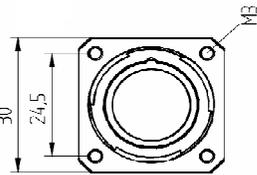
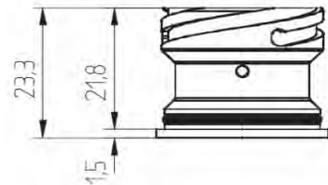
mounting dimensions



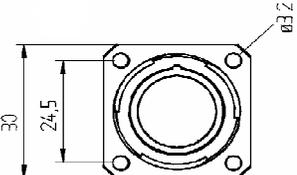
side view gasket



side view radial O-ring



style 4100/4300



style 5100/5300

Assembly instructions: B-D-03
Caps and accessories: pages B-H-01...
Mounting tools: page B-E-01 or screwdriver
Crimp tool for contacts: pages B-B-01...
Crimp contacts: pages B-C-01.....

We also deliver as a connector set.
 Connector with crimp insert - and contacts separate included. Please ask for P/N.



Part Number	TU-	X	X	X	X	X	X	X	X	X	X	X
Please fill in the first 7 digits of your desired connector insert (6-19 positions) from pages B-A-01....												
Connector with flat gasket, flange with 4 threads M3										4	1	0 0
Connector with radial O-ring, flange with 4 threads M3										4	3	0 0
Connector with flat gasket, flange with 4 holes 3.2 mm Ø										5	1	0 0
Connector with radial O-ring, flange with 4 holes 3.2 mm Ø										5	3	0 0

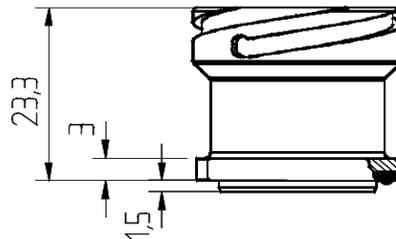


Shielded Connectors Bayonet Series TU
fits all TU-Cable Connectors with coupling nut
Shell style WB (front mount receptacles)

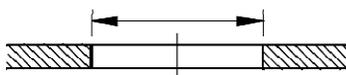


mounting dimensions

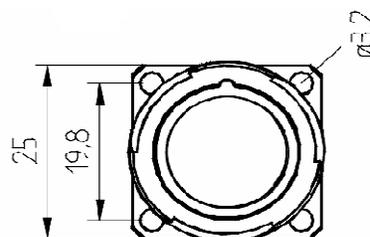
side view axial O-ring



O-ring axial
 bore hole 19.6 mm diameter



top view
 style WB



Assembly instructions: B-D-03
Caps and accessories: pages B-H-01...
Mounting tools: page B-E-01 or screwdriver
Crimp tool for contacts: pages B-B-01...
Crimp contacts: pages B-C-01.....

We also deliver as a connector set.
 Connector with crimp insert - and
 contacts separate included. Please ask for P/N.



Part Number	TU-	X	X	X	X	X	X	X	X	X	X	X
Please fill in the first 7 digits of your desired connector insert (6-19 positions) from pages B-A-01....												
Connector with axial O-ring , flange with 4 holes 3.2 mm Ø										W B 0 0		



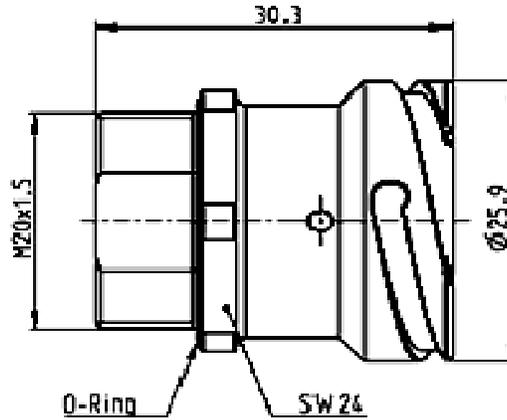


Shielded Connectors Bayonet Series TU
fits all TU-Cable Connectors with coupling nut
Shell style 61 (front mount receptacles)

mounting dimensions

Connector side view

Mounting hole
 thread M20x1.5 mm



- Assembly instructions: B-D-03
- Caps and accessories: pages B-H-01...
- Mounting tools: page B-E-01 or screwdriver
- Crimp tool for contacts: pages B-B-01...
- Crimp contacts: pages B-C-01.....

We also deliver as a connector set.
 Connector with crimp insert - and
 contacts separate included. Please ask for P/N.



Part Number	TU-	X	X	X	X	X	X	X	X	X	X	X
Please fill in the first 7 digits of your desired connector insert (6-19 positions) from pages B-A-01....												
Connector with axial O-ring , mounting thread M20x1.5 mm									6	1	0	0





Member of the Phoenix Contact Group

S T Series

Shielded Connectors M17/Speedcon

Shielded Connectors M17/Speedcon Series ST

Technical Data



Shell material

Machined components: Copper-Zinc alloy (CuZn)
 die cast components: Zinc (GD-Zn)
 Shell plating: Nickel (Ni) plated
 Cable entry: max. 12.5 mm



Insulator

Connector inserts: Polyamid (PA66),

Contacts

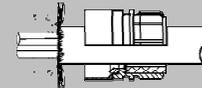
Contact material: Copper-Zinc alloy (CuZn)
 Contact plating: Nickel (Ni) with gold (Au) passivated
 Contact termination: crimp type



Sealing

Sealing rings: Fluor rubber (FPM)
 Gaskets: Fluor rubber (FPM)

All connectors with universal shielding material for different jacket and shield diameters.



Temperature

Temperature (long term) Celsius: - 20 °C up to +125°C
 Temperature (long term) Fahrenheit: - 4 °F up to + 257 °F

Mating

Female coupling nuts: M17, or M17 in Speedcon
 Male receptacles: M17, or M17 in Speedcon
 Mating cycles: Standard min. 50



EMC
shielding

Protection

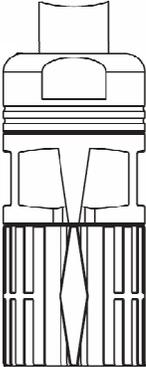
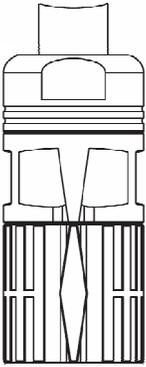
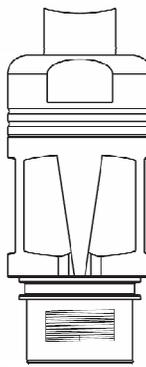
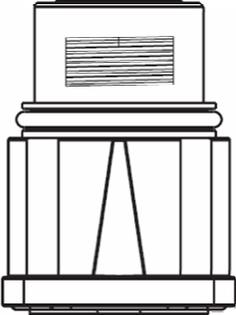
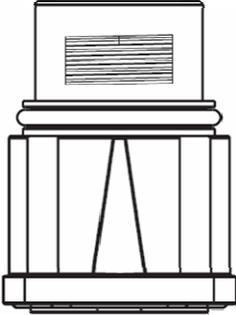
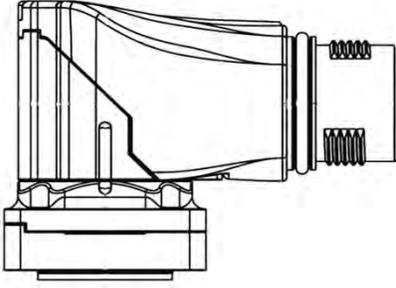
Protection class : IP 67 (mated) depends on which cable gland is used

							
Number of positions	4	6	7	8	8	12	17
Number of contacts	3 + PE	5 + PE	6 + PE	7 + PE	8	12	17
Contact dia. (mm Ø)	2	1	1	1	1	0.6	0.6
Rated current at 25°C (A)	20/25	14	14	14	3.6	3.6	3.6
Rated voltage (V)	630	630	630	630	60	60	60
Test voltage (Volt AC)	4,000	6,000	6,000	6,000	1,500	1,500	1,500
Overtoltage category DIN EN 61984-2001	III	III	III	III	III	III	III
Installation altitude above sea level	3,000 m	3,000 m	3,000 m	3,000 m	3,000 m	3,000 m	3,000 m

Shielded Connectors M17/Speedcon Series ST

Shell styles 8, 8S, 9S, WQ, W4, AD

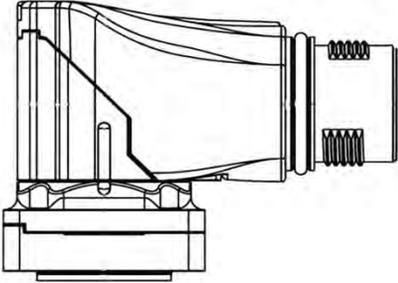
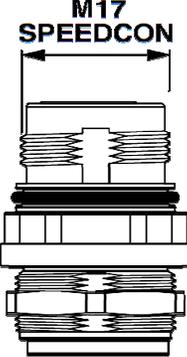
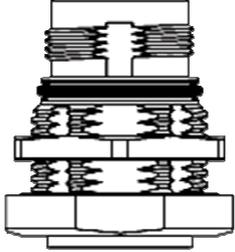
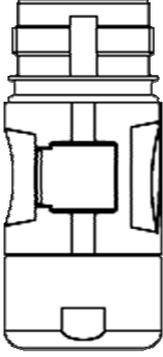
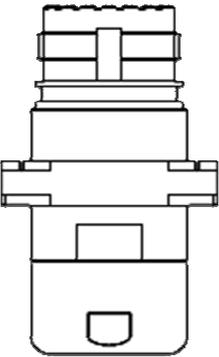


ST-xxxxxxx8xxx page C-D-04	ST-xxxxxxx8xxxS page C-D-04	ST-xxxxxxx9xxxS page C-D-05
cable connector straight with coupling nut M17 cable entry max. 12.5 mm universal shielding material	cable connector straight with coupling nut M17 (1/2 turn) cable entry max. 12.5 mm universal shielding material	cable connector straight with outside thread M17 (1/2 turn) cable entry max. 12.5 mm universal shielding material
 <p style="text-align: center;">style 80</p>	 <p style="text-align: center;">style 80</p>	 <p style="text-align: center;">style 90</p>
ST-xxxxxxxWQxxS page C-D-06	ST-xxxxxxxW4xxS page C-D-06	ST-xxxxxxxADxxS page C-D-07
front mount, straight square flange, axial O-ring flange with holes with outside thread M17 (1/2 turn)	front mount, straight, snap in square flange, axial O-ring flange with holes with outside thread M17 (1/2 turn)	front mount, angled rotary square flange, axial O-ring flange 21.6 x 21.6 with holes with outside thread M17 (1/2 turn)
 <p style="text-align: center;">style WQ</p>	 <p style="text-align: center;">style W4</p>	 <p style="text-align: center;">style AD</p>

Shielded Connectors M17/Speedcon Series ST

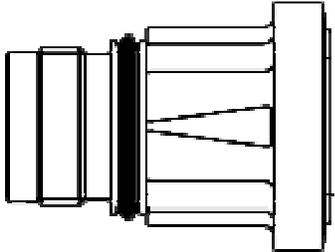
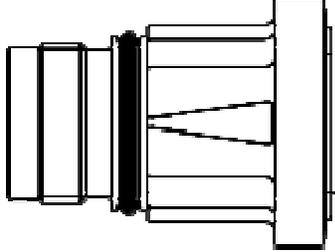
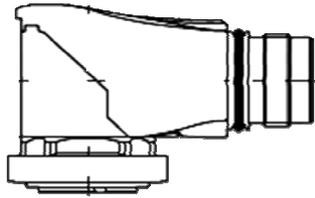
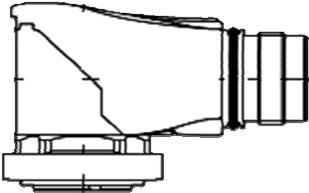
Shell style AC, 61, H1, 8K, 9K, CK



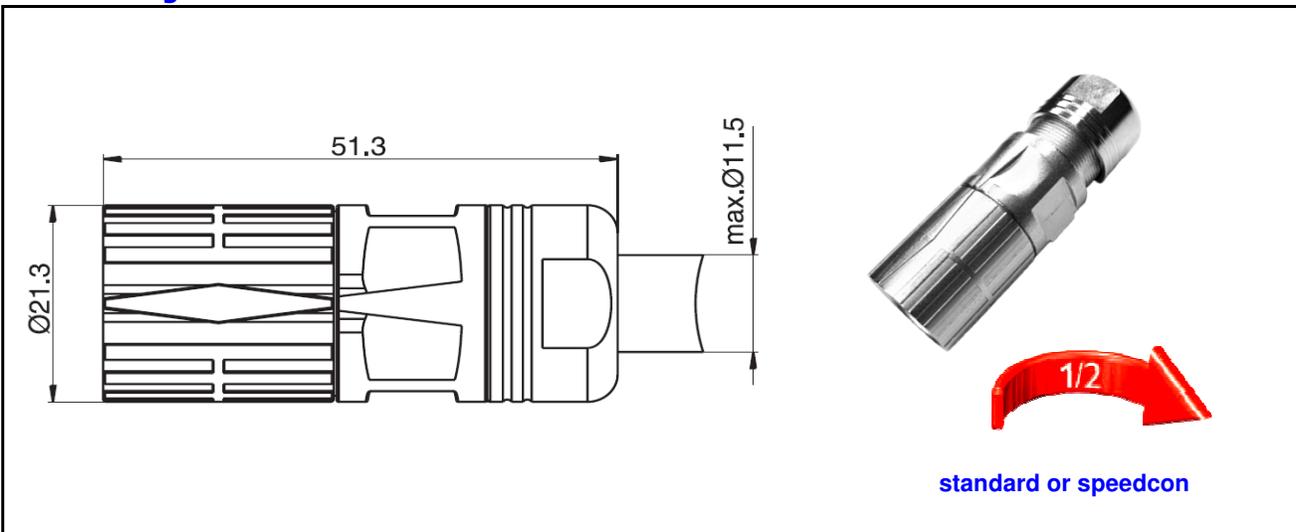
ST-xxxxxxxACxxS page C-D-07	ST-xxxxxxx61xxS page C-D-08	ST-xxxxxxxH1xxS page C-D-09
front mount, angled rotary square flange, axial O-ring flange 25 x 25 with holes with outside thread M17 (1/2 turn)	front mount, straight round flange, axial O-ring mounting thread M18x0.75 mm with outside thread M17 (1/2 turn)	rear mount, straight round flange, axial O-ring mounting thread M20x1.5 mm with outside thread M17 (1/2 turn)
 <p style="text-align: center;">1/2</p> <p style="text-align: center;">style AC</p>	 <p style="text-align: center;">1/2</p> <p style="text-align: center;">style 61</p>	 <p style="text-align: center;">1/2</p> <p style="text-align: center;">style H1</p>
ST-xxxxxxx8KxxS page C-D-10	ST-xxxxxxx9KxxS page C-D-11	ST-xxxxxxxCKxxS page C-D-12
cable connector straight with coupling nut M17 (1/2 turn) cable entry max. 12.5 mm universal shielding material	cable connector straight with outside thread M17 (1/2 turn) cable entry max. 12.5 mm universal shielding material	cable connector with flange with outside thread M17 (1/2 turn) cable entry max. 12.5 mm universal shielding material
 <p style="text-align: center;">1/2</p> <p style="text-align: center;">style 8K</p>	 <p style="text-align: center;">1/2</p> <p style="text-align: center;">style 9K</p>	 <p style="text-align: center;">1/2</p> <p style="text-align: center;">style CK</p>

Shielded Connectors M17/Speedcon Series ST
Shell style WK, W5, A4, A5



ST-xxxxxxxWKxxS page C-D-13	ST-xxxxxxxW5xxS page C-D-14	ST-xxxxxxxA4xxS page C-D-15
front mount, straight square flange, axial O-ring flange 25.75 x 25.75 with holes with outside thread M17 (1/2 turn)	front mount, straight square flange, axial O-ring flange 25.75 x 25.75 with holes with outside thread M17 (1/2 turn)	front mount, angled square flange, axial O-ring flange with holes M2.5 with outside thread M17 (1/2 turn)
 <p style="text-align: center;">  style WK </p>	 <p style="text-align: center;">  style W5 </p>	 <p style="text-align: center;">  style A4 </p>
ST-xxxxxxxA5xxS page C-D-16		
front mount, angled square flange, axial O-ring flange with holes M3 with outside thread M17 (1/2 turn)		
 <p style="text-align: center;">  style A5 </p>		

Shielded Connectors M17/Speedcon Series ST
fits all ST- Bulkhead
Shell style 80xx/80xxS

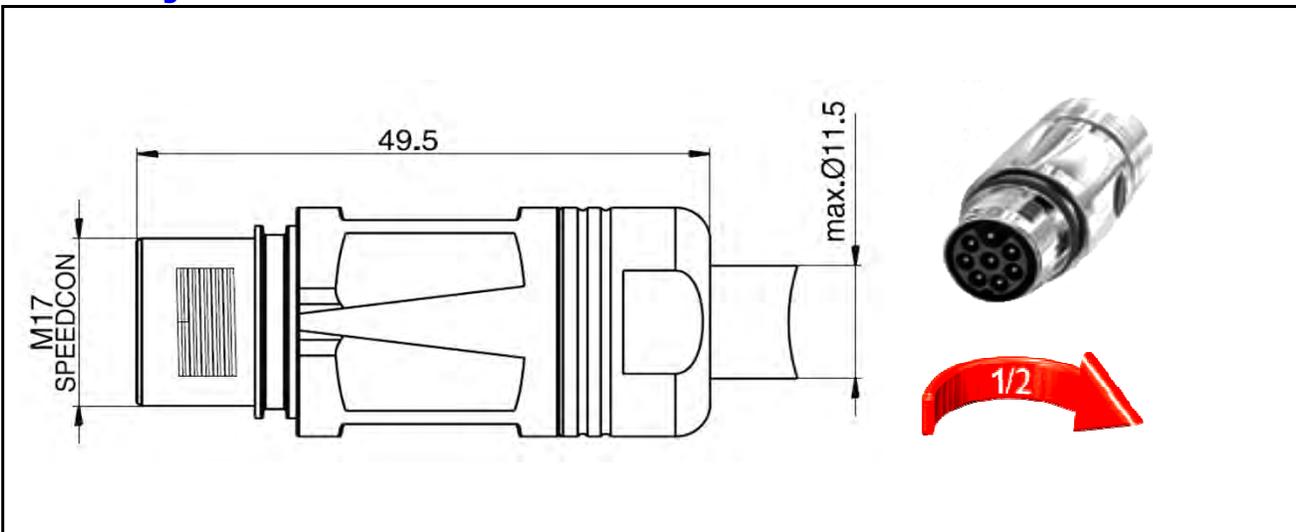


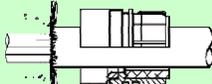
Assembly instructions: page B-D-38 Caps and accessories: pages: B-H-01... Mounting tools: N/A Crimp tool for contacts: pages B-B-00... Crimp contacts: pages B-C-20.....	All ST-connectors with universal shielding material for different jacket and shield diameters. We also deliver as a connector set. Connector with crimp insert - and contacts separate included. Please ask for P/N.	
---	--	----------

Part Number	ST-	X	X	X	1	N	8	A	8	0	0		
Please fill in the first 7 digits of your desired connector insert (4-17 positions) from pages B-A-50....													
Connectors with integrated strain relief and....													
seal ring for 3.5 - 4 mm Ø									8	0	0	1	
seal ring for 4 - 5 mm Ø									8	0	0	2	
seal ring for 5 - 8 mm Ø									8	0	0	3	
seal ring for 8 - 10 mm Ø									8	0	0	4	
seal ring for 10 - 12.5 mm Ø									8	0	0	5	
seal ring for 3.5 - 4 mm Ø									8	0	0	1	S
seal ring for 4 - 5 mm Ø									8	0	0	2	S
seal ring for 5 - 8 mm Ø									8	0	0	3	S
seal ring for 8 - 10 mm Ø									8	0	0	4	S
seal ring for 10 - 12.5 mm Ø									8	0	0	5	S



Shielded Connectors M17/Speedcon Series ST
fits all ST- Bulkhead
Shell style 90xxS



Assembly instructions: page B-D-38 Caps and accessories: pages: B-H-01... Mounting tools: N/A Crimp tool for contacts: pages B-B-00... Crimp contacts: pages B-C-20.....	All ST-connectors with universal shielding material for different jacket and shield diameters.  We also deliver as a connector set. Connector with crimp insert - and contacts separate included. Please ask for P/N. 
---	---

Part Number	ST-	X	X	X	1	N	8	A	9	0	0	X	S
-------------	-----	---	---	---	---	---	---	---	---	---	---	---	---

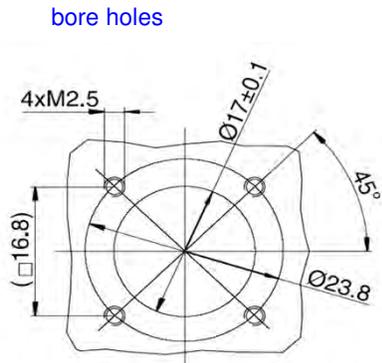
Please fill in the first 7 digits of your desired connector insert (4-17 positions) from pages B-A-50....

Connectors with integrated strain relief and....													
seal ring for 3.5 - 4 mm Ø													9 0 0 1
seal ring for 4 - 5 mm Ø													9 0 0 2
seal ring for 5 - 8 mm Ø													9 0 0 3
seal ring for 8 - 10 mm Ø													9 0 0 4
seal ring for 10 - 12.5 mm Ø													9 0 0 5

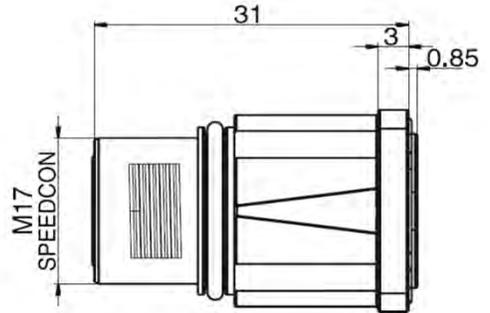


Shielded Connectors M17/Speedcon Series ST
fits all ST-Cable Connectors with coupling nut
Shell style WQ/W4 (front mount receptacles)

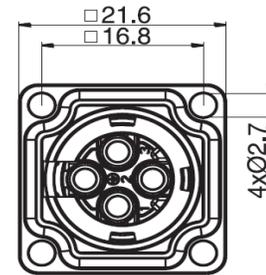
mounting dimensions



side view with
O-ring axial



top view



Assembly instructions: pages B-D-41
Caps and accessories: pages B-H-01...
Mounting tools: N/A
Crimp tool for contacts: pages B-B-00...
Crimp contacts: pages B-C-20.....

We also deliver as a connector set.
 Connector with crimp insert - and
 contacts separate included. Please ask for P/N.



Part Number	ST-	X	X	X	1	N	8	A	W	X	X	X	S
Please fill in the first 7 digits of your desired connector insert (4-17 positions) from pages B-A-50....													
Connector with axial O-ring, flange with 4 holes 2.7 mm Ø the insert is fixed with the installation of the connector										W	Q	0	0
Connector with axial O-ring, flange with 4 holes 2.7 mm Ø the insert should be snapped in before mounting										W	4	0	0

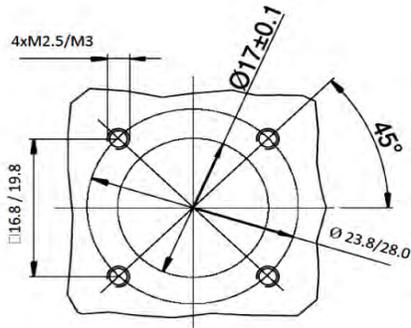




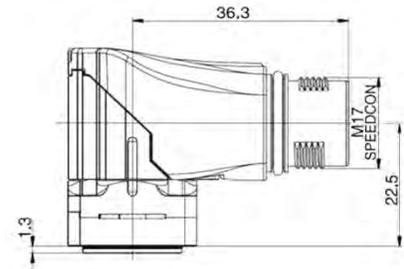
Shielded Connectors M17/Speedcon Series ST
fits all ST-Cable Connectors with coupling nut
Shell style AD/AC (front mount receptacles)

mounting dimensions

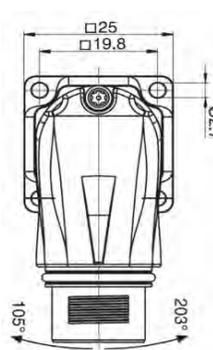
bore holes AD, AC



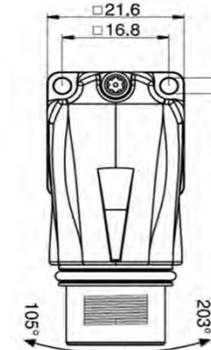
side view with O-ring axial



AC



AD



Assembly instructions: page B-D-39
 Caps and accessories: pages: B-H-01...

Mounting tools: page B-E-00...

Crimp tool for contacts: pages: B-B-00...
 Crimp contacts: pages: B-C-20.....

We also deliver as a connector set.
 Connector with crimp insert - and contacts separate included. Please ask for P/N.



Part Number

ST- X X X 1 N 8 A A X X X S

Please fill in the first 7 digits of your desired connector insert (4-17 positions) from pages B-A-50....

Connector with axial O-ring, flange with 4 holes 2.7 mm Ø flange □ 21.6 mm **A D 0 0**

Connector with axial O-ring, flange with 4 holes 2.7 mm Ø flange □ 25.0 mm **A C 0 0**

Rotatable 203° -- 105°

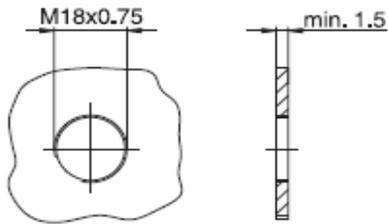




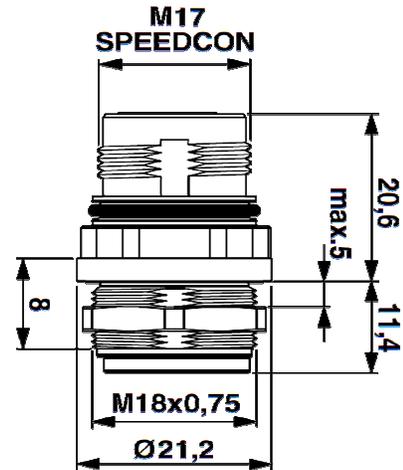
Shielded Connectors M17/Speedcon Series ST
fits all ST-Cable Connectors with coupling nut
Shell style 61 (front mount receptacles)

mounting dimensions

bore holes



side view with
O-ring axial



Assembly instructions: pages B-D-37
 Caps and accessories: pages B-H-00...
 Mounting tools: N/A
 Crimp tool for contacts: pages B-B-00...
 Crimp contacts: pages B-C-20.....

We also deliver as a connector set.
 Connector with crimp insert - and
 contacts separate included. Please ask for P/N.



Part Number	ST-	x	x	x	1	N	8	A	x	x	x	x	S
-------------	-----	---	---	---	---	---	---	---	---	---	---	---	---

Please fill in the first 7 digits of your desired connector insert (4-17 positions) from pages B-A-50....

Connector with round flange **6 1 0 0**
 Hex nut from the back (Please order separate)
 Hex Nut M18 x 0.75 ST-E2015151

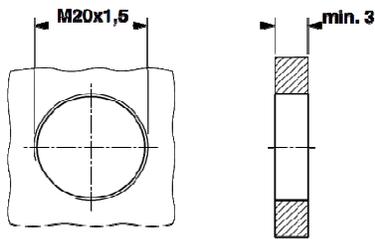




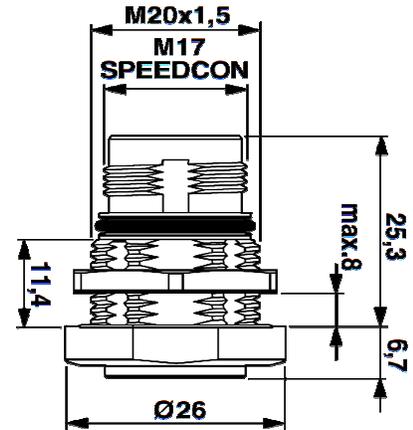
Shielded Connectors M17/Speedcon Series ST
fits all ST-Cable Connectors with coupling nut
Shell style H1 (rear mount receptacles)

mounting dimensions

bore holes



side view with
O-ring axial



Assembly instructions: pages B-D-40
 Caps and accessories: pages B-H-00...
 Mounting tools: N/A
 Crimp tool for contacts: pages B-B-00...
 Crimp contacts: pages B-C-20.....

We also deliver as a connector set.
 Connector with crimp insert - and
 contacts separate included. Please ask for P/N.



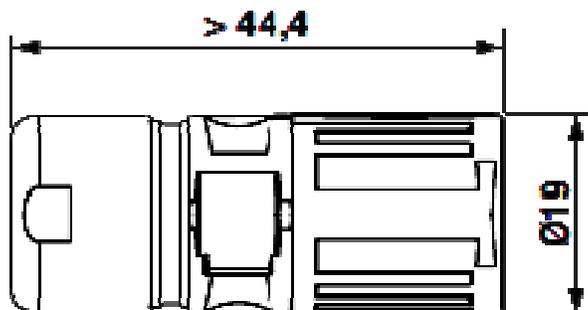
Part Number	ST-	x	x	x	1	N	8	A	x	x	x	x	S
-------------	-----	---	---	---	---	---	---	---	---	---	---	---	---

Please fill in the first 7 digits of your desired connector insert (4-17 positions) from pages B-A-50....

Connector with round flange **H 1 0 0**
 Hex nut from the front (Please order separate)
 Hex Nut M20 x 1.5 RC-13041



Shielded Connectors M17/Speedcon Series ST
fits all ST- Bulkhead
Shell style 8KxxS



Short Version

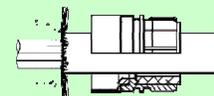


Assembly instructions: page B-D-38
 Caps and accessories: pages: B-H-01...

Mounting tools: N/A

Crimp tool for contacts: pages B-B-00...
 Crimp contacts: pages B-C-20.....

All ST-connectors with universal shielding material for different jacket and shield diameters.

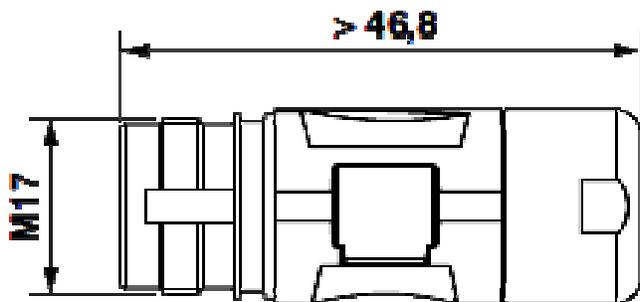


We also deliver as a connector set.
 Connector with crimp insert - and contacts separate included. Please ask for P/N.



Part Number	ST-	x	x	x	1	N	8	A	8	K	0	x	x	
Please fill in the first 7 digits of your desired connector insert (4-17 positions) from pages B-A-50....														
Connectors with integrated strain relief and....														
seal ring for 3.5 - 5.5 mm Ø									8	K	0	2	S	
seal ring for 5 - 9 mm Ø									8	K	0	3	S	
seal ring for 9 - 11 mm Ø									8	K	0	4	S	

Shielded Connectors M17/Speedcon Series ST
fits all ST- Bulkheads or Cables
Shell style 9KxxS



Short Version

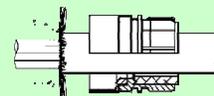


Assembly instructions: page B-D-38
 Caps and accessories: pages: B-H-01...

Mounting tools: N/A

Crimp tool for contacts: pages B-B-00...
 Crimp contacts: pages B-C-20.....

All ST-connectors with universal shielding material for different jacket and shield diameters.



We also deliver as a connector set. Connector with crimp insert - and contacts separate included. Please ask for P/N.



Part Number

ST- x x x 1 N 8 A 9 K 0 x x

Please fill in the first 7 digits of your desired connector insert (4-17 positions) from pages B-A-50....

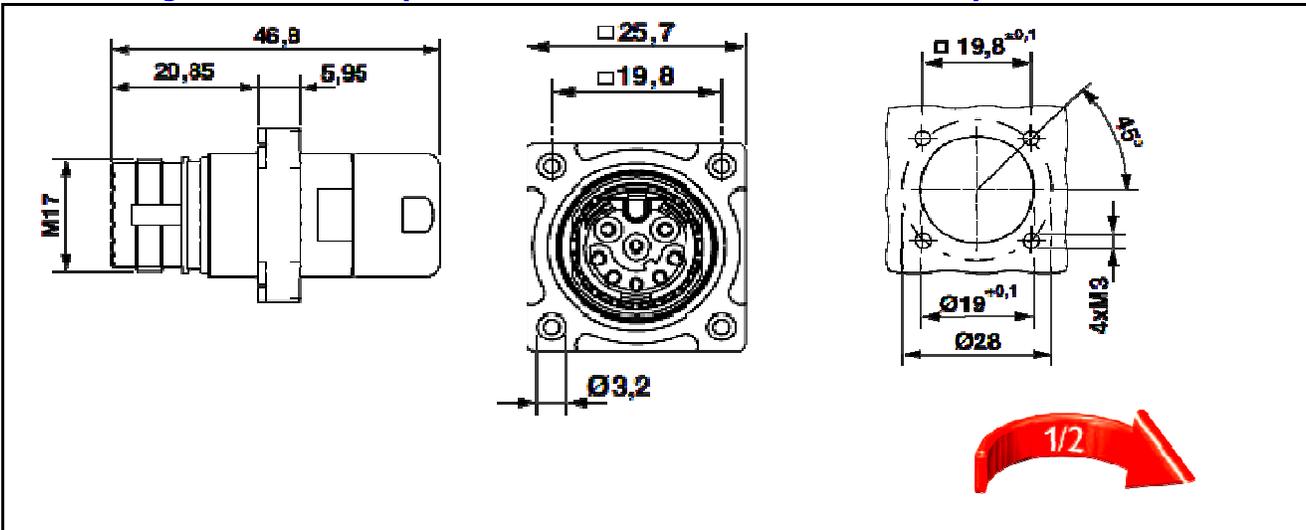
Connectors with integrated strain relief and....

seal ring for 3.5 - 5.5 mm Ø	9 K 0 2 S
seal ring for 5 - 9 mm Ø	9 K 0 3 S
seal ring for 9 - 11 mm Ø	9 K 0 4 S



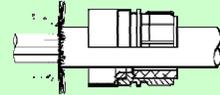
Shielded Connectors M17/Speedcon Series ST
fits all ST-Cables

Shell style CKxxS (front mount and rear mount)



Assembly instructions: page B-D-38
Caps and accessories: pages B-H-01...
Mounting tools: N/A
Crimp tool for contacts: pages B-B-00...
Crimp contacts: pages B-C-20.....

All ST-connectors with universal shielding material for different jacket and shield diameters.
We also deliver as a connector set. Connector with crimp insert - and contacts separate included. Please ask for P/N.



Part Number	ST-	x	x	x	1	N	8	A	C	K	0	x	x
-------------	-----	---	---	---	---	---	---	---	---	---	---	---	---

Please fill in the first 7 digits of your desired connector insert (4-17 positions) from pages B-A-50....

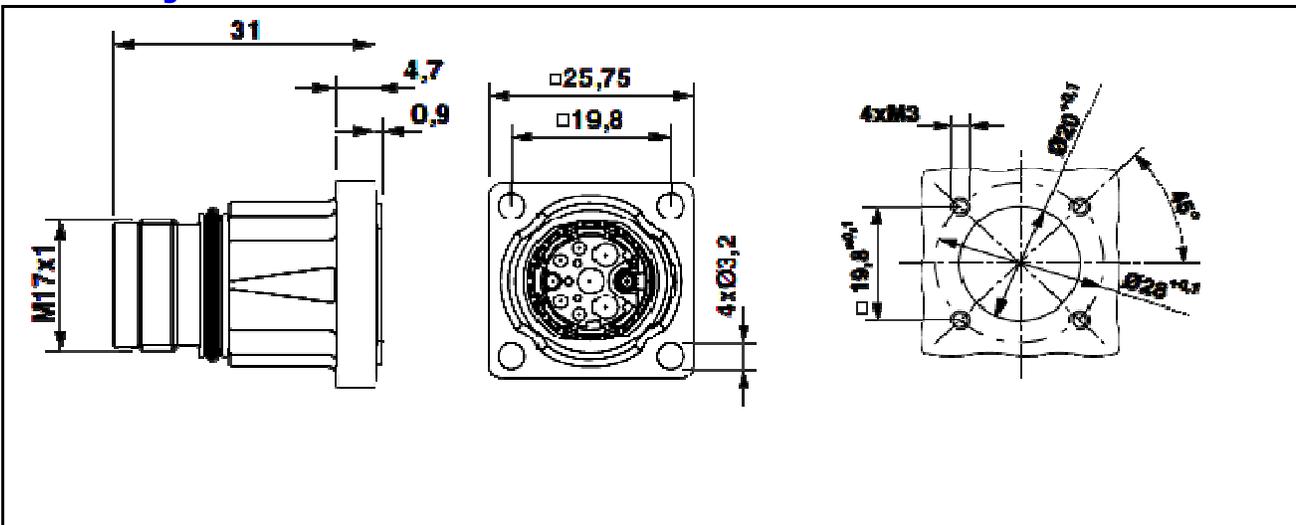
Connectors with integrated strain relief and....

- seal ring for 3.5 - 5.5 mm Ø
- seal ring for 5 - 9 mm Ø
- seal ring for 9 - 11 mm Ø



C	K	0	2	S
C	K	0	3	S
C	K	0	4	S

Shielded Connectors M17/Speedcon Series ST
fits all ST-Cables
Shell style WKxxS



Assembly instructions: page B-D-41
 Caps and accessories: pages: B-H-01...
 Mounting tools: N/A
 Crimp tool for contacts: pages B-B-00...
 Crimp contacts: pages B-C-20.....

We also deliver as a connector set.
 Connector with crimp insert - and contacts separate included. Please ask for P/N.



Part Number	ST-	x	x	x	1	N	8	A	W	K	0	0	S
--------------------	------------	---	---	---	---	---	---	---	---	---	---	---	---

Please fill in the first 7 digits of your desired connector insert (4-17 positions) from pages B-A-50....

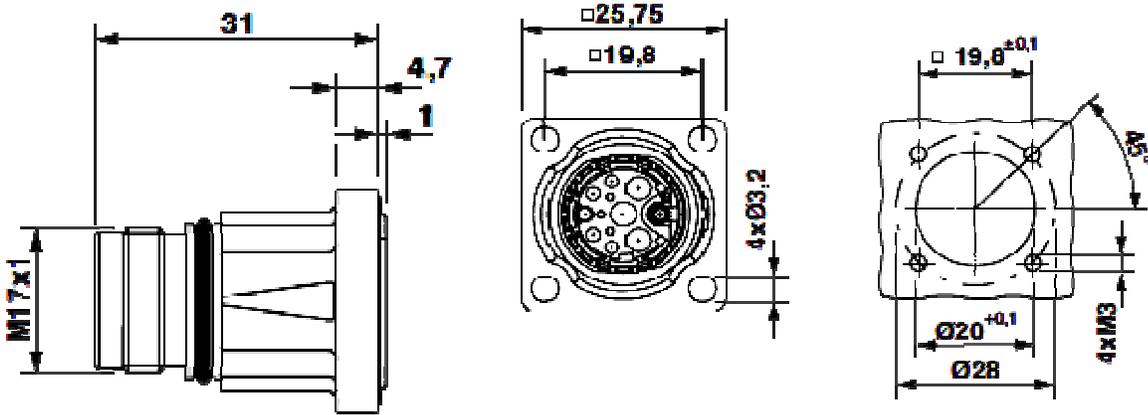
Connectors with integrated strain relief and....

the insert should be snapped in before mounting square flange connector, 25.75 x 25.75 front mount, with axial O-ring with outside thread M 17/Speedcon

W K 0 0 S



Shielded Connectors M17/Speedcon Series ST
fits all ST-Cables
Shell style W5xxS



Assembly instructions: page B-D-41
 Caps and accessories: pages: B-H-01...

Mounting tools: N/A

Crimp tool for contacts: pages B-B-00...
 Crimp contacts: pages B-C-20.....

We also deliver as a connector set.
 Connector with crimp insert - and
 contacts separate included. Please ask for P/N.



Part Number ST- X X X 1 N 8 A W 5 0 0 S

Please fill in the first 7 digits of
 your desired connector insert (4-17 positions)
 from pages B-A-50....

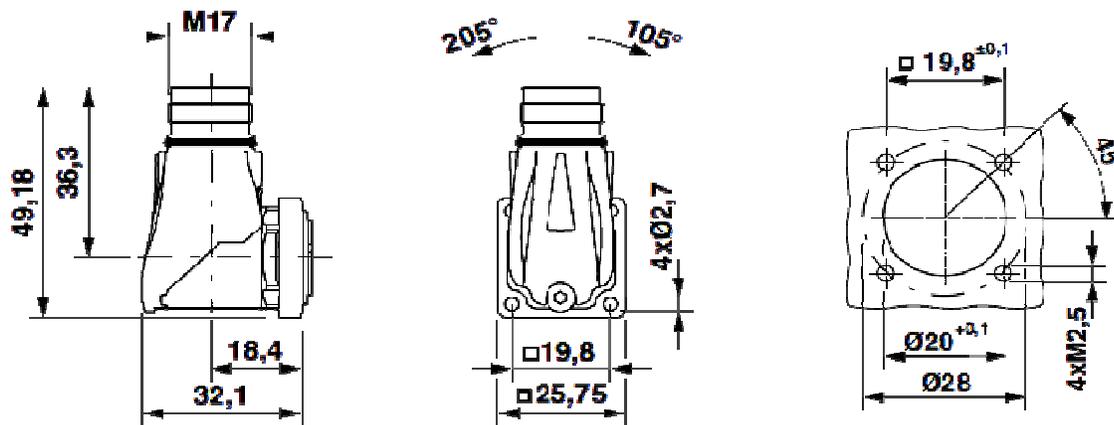
Connectors with integrated strain relief and....

the insert is fixed with the installation of the connector
 square flange connector, 25.75 x 25.75
 front mount, with axial O-ring
 with outside thread M 17/Speedcon

W 5 0 0 S



Shielded Connectors M17/Speedcon Series ST
fits all ST-Cables
Shell style A4xxS



Assembly instructions: page B-D-39
 Caps and accessories: pages: B-H-01...

Mounting tools: N/A

Crimp tool for contacts: pages B-B-00...
 Crimp contacts: pages B-C-20.....

We also deliver as a connector set.
 Connector with crimp insert - and
 contacts separate included. Please ask for P/N.



Part Number

ST- X X X 1 N 8 A A 4 0 0 S

Please fill in the first 7 digits of
 your desired connector insert (4-17 positions)
 from pages B-A-50....

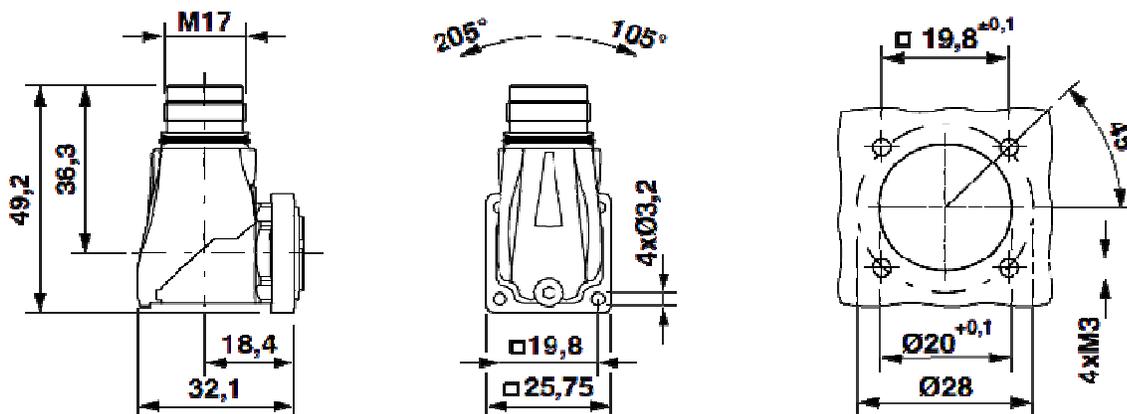
Connectors with integrated strain relief and....

4 holes with 2.7 mm
 square flange connector, 25.75 x 25.75
 front mount, with axial O-ring
 with outside thread M 17/Speedcon

A 4 0 0 S



Shielded Connectors M17/Speedcon Series ST
fits all ST-Cables
Shell style A5xxS



Assembly instructions: page B-D-39
 Caps and accessories: pages: B-H-01...

Mounting tools: N/A

Crimp tool for contacts: pages B-B-00...
 Crimp contacts: pages B-C-20.....

We also deliver as a connector set.
 Connector with crimp insert - and
 contacts separate included. Please ask for P/N.



Part Number

ST- X X X 1 N 8 A A 5 0 0 S

Please fill in the first 7 digits of
 your desired connector insert (4-17 positions)
 from pages B-A-50....

Connectors with integrated strain relief and....

4 holes with 3.2 mm
 square flange connector, 25.75 x 25.75
 front mount, with axial O-ring
 with outside thread M 17/Speedcon

A 5 0 0 S





Member of the Phoenix Contact Group

R F Series

Shielded Connectors M23 crimp versions



Shielded Connectors M23/Speedcon Series RF

Technical Data



Shell material

Machined components: Copper-Zinc alloy (CuZn) or stainless steel 1.4305
 die cast components: Zinc (GD-Zn)
 Shell plating: Nickel (Ni) plated
 Cable entry: max. 13.2 mm

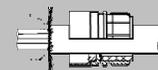
Insulator

Connector inserts: Polyamid (PA66),

Contacts

Contact material: Copper-Zinc alloy (CuZn)
 Contact plating: Nickel (Ni) with gold (Au) passivated
 Contact termination: crimp type

All connectors with universal shielding material for different jacket and shield diameters.



EMC
shielding

Sealing

Sealing rings: Fluor rubber (FPM)
 Gaskets: Fluor rubber (FPM)



Temperature

Temperature (long term) Celsius: - 20 °C up to +125°C
 Temperature (long term) Fahrenheit: - 4 °F up to + 257 °F

Mating

Female coupling nuts: M23 screw locking or Speedcon
 Male receptacles: M23 screw locking or Speedcon
 Mating cycles: Standard min. 50



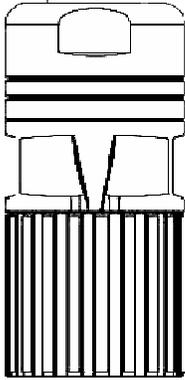
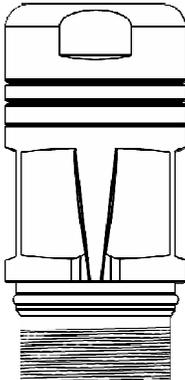
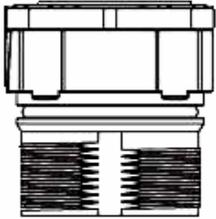
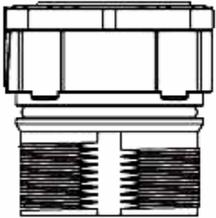
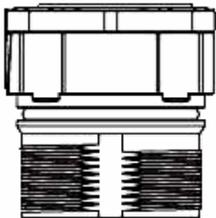
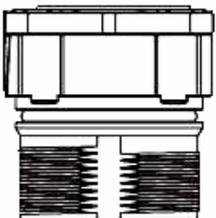
Protection

Protection class : IP 67 (mated) depends on which cable gland is used

Crimp inserts							
Number of positions				12	16	17	
Number of contacts				12	16	17	
Contact dia. (mm Ø)				1	1	1	
Rated current at 25°C (A)				8	8	8	
Rated voltage (V)				150	150	150	
Test voltage (Volt AC)				1,500	1,500	1,500	
Overvoltage category DIN EN 61984-2001				II	II	II	
Insulation resistance (Ω)				≥10 ¹²	≥10 ¹²	≥10 ¹²	
Contact resistance (mΩ)				≤3	≤3	≤3	
Pollution degree acc. to IEC 664-1				2 (3 ¹)	2 (3 ¹)	2 (3 ¹)	
Contact resistance (mΩ)				≤3	≤3	≤3	
Wiring size AWG				28-18	28-18	28-18	

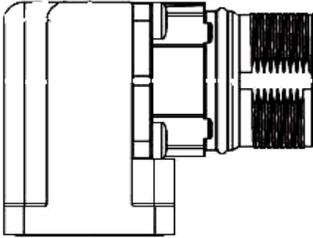
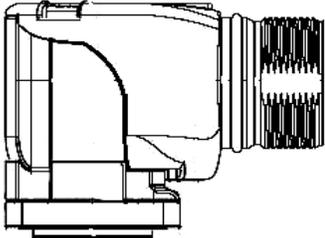
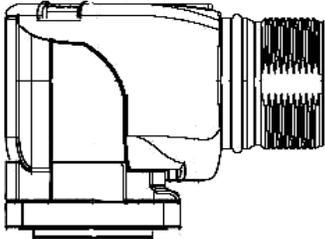
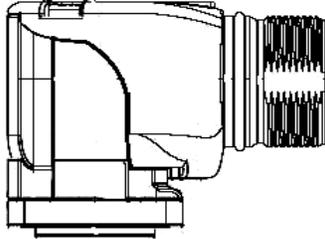
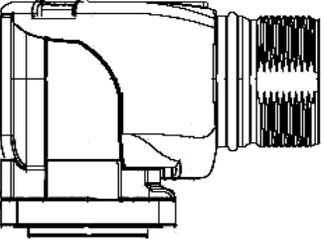
Shielded Connectors M23 Series RF
Shell styles 8, 9, WA, WQ, WB, W4



RF-xxxxxxx8xxx page C-E-07	RF-xxxxxxx9xxx page C-E-08	RF-xxxxxxxWA00 page C-E-09
cable connector straight with coupling nut M23 cable entry max. 13.2 mm universal shielding material	cable connector straight with outside thread M23 cable entry max. 13.2 mm universal shielding material	front mount, straight square flange, axial O-ring flange with 4 x 3.2 mm Ø with outside thread M23
  style 80 (S)	 style 90	 style WA
RF-xxxxxxxWQ00 page C-E-09	RF-xxxxxxxWB00 page C-E-10	RF-xxxxxxxW400 page C-E-10
front mount, straight square flange, axial O-ring flange with 4 x 2.7 mm Ø with outside thread M23	front mount, straight, snap in square flange, axial O-ring flange with 4 x 3.2 mm Ø with outside thread M23	front mount, straight, snap in square flange, axial O-ring flange with 4 x 2.7 mm Ø with outside thread M23
 style WQ	 style WB	 style W4

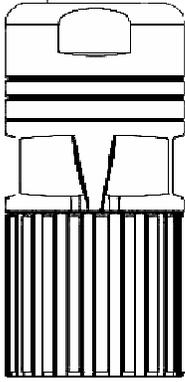
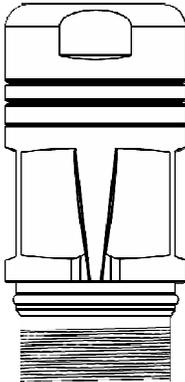
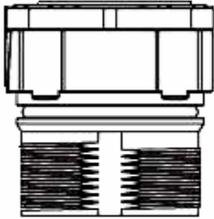
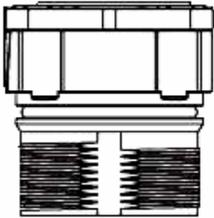


Shielded Connectors M23 Series RF
Shell styles 61, A2, AF, AK, AD, AC

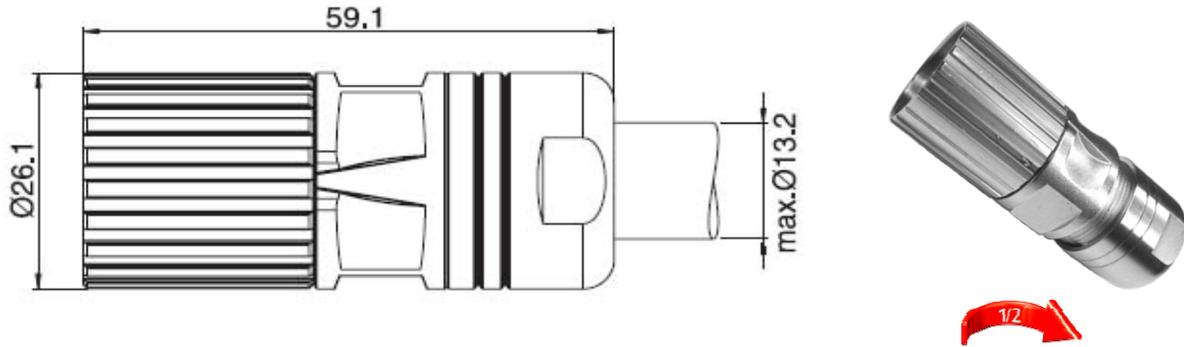
<p>RF-xxxxxxx6100 page C-E-11</p>	<p>RF-xxxxxxxA200 page C-E-12</p>	<p>RF-xxxxxxxAF00 page C-E-13</p>
<p>front mount, straight round flange, axial O-ring mounting thread M20x1.5 mm with outside thread M23</p>	<p>front mount, angled 26x26 mm square flange, axial O-ring flange with 4 x 3.2 mm Ø with outside thread M23</p>	<p>front mount, angled 26x26 mm square flange, axial O-ring flange with 4 x 3.2 mm Ø with outside thread M23</p>
 <p>style 61</p>	 <p>style A2</p>	 <p>style AF</p>
<p>RF-xxxxxxxAK00 page C-E-13</p>	<p>RF-xxxxxxxAD00 page C-E-14</p>	<p>RF-xxxxxxxAC00 page C-E-14</p>
<p>front mount, angled 28x28 mm square flange, axial O-ring flange with 4 x 3.2 mm Ø with outside thread M23</p>	<p>front mount, angled 26x26 mm square flange, axial O-ring flange with 4 x 3.2 mm Ø with outside thread M23</p>	<p>front mount, angled 28x28 mm square flange, axial O-ring flange with 4 x 3.2 mm Ø with outside thread M23</p>
 <p>style AK</p>	 <p>rotatable</p> <p>style AD</p>	 <p>rotatable</p> <p>style AC</p>



Shielded Connectors M23 Series RF
Shell styles 8V, 9V, WV, WU

RF-xxxxxxx8Vxx page C-E-17	RF-xxxxxxx9Vxx page C-E-18	RF-xxxxxxxWV00 page C-E-19
cable connector straight with coupling nut M23 cable entry max. 13.2 mm universal shielding material	cable connector straight with outside thread M23 cable entry max. 13.2 mm universal shielding material	front mount, straight square flange, axial O-ring flange with 4 x 3.2 mm Ø with outside thread M23
 <p style="text-align: center;">stainless steel</p> <p style="text-align: center;">style 8V</p>	 <p style="text-align: center;">stainless steel</p> <p style="text-align: center;">style 9V</p>	 <p style="text-align: center;">stainless steel</p> <p style="text-align: center;">style WV</p>
RF-xxxxxxxWU00 page C-E-19		
front mount, straight square flange, axial O-ring flange with 4 x 2.7 mm Ø with outside thread M23		
 <p style="text-align: center;">stainless steel</p> <p style="text-align: center;">style WQ</p>		

Shielded Connectors M23 Series RF
fits all RF- Bulkheads
Shell style 80 (S)

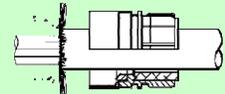


Assembly instructions: page B-D-14
 Caps and accessories: pages B-H-01...

Mounting tools: N/A or counterpart

Crimp tool for contacts: pages B-B-01...
 Crimp contacts: pages B-C-30.....

All RF-connectors with universal shielding material for different jacket and shield diameters.

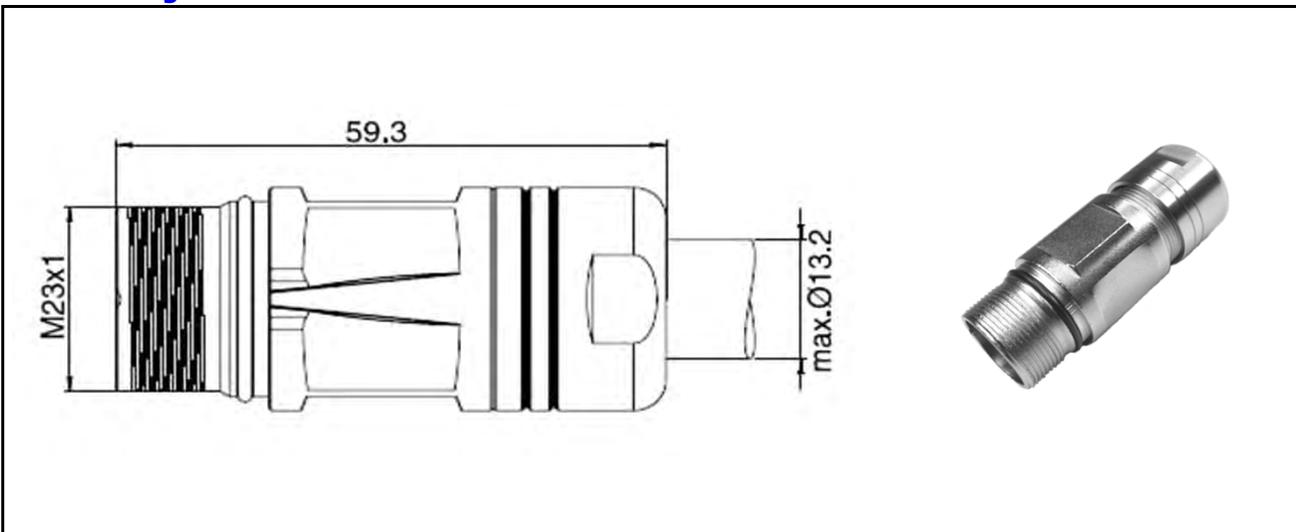


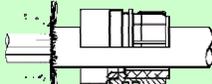
We also deliver as a connector set. Connector with crimp insert - and contacts separate included. Please ask for P/N.



Part Number	RF-	X	X	X	X	X	X	X	X	X	X	X	X
Please fill in the first 7 digits of your desired crimp connector insert (12-17 positions) from pages B-A-58...													
Connectors with integrated strain relief and....													
seal ring for 3.0 - 13.2 mm Ø									8 0 D U				
seal ring for 3.0 - 13.2 mm Ø in speedcon technology									8 0 D U S				
seal ring for 6 - 10 mm Ø									8 0 0 2				
seal ring for 9 - 13.2 mm Ø									8 0 0 3				

Shielded Connectors M23 Series RF
fits all RF- Connectors with Coupling Nut
Shell style 90



<p>Assembly instructions: page B-D-15 Caps and accessories: pages B-H-01...</p>	<p>All RF-connectors with universal shielding material for different jacket and shield diameters.</p> 
<p>Mounting tools: N/A</p>	<p>We also deliver as a connector set.</p> 
<p>Crimp tool for contacts: pages B-B-01... Crimp contacts: pages B-C-30.....</p>	<p>Connector with crimp insert - and contacts separate included. Please ask for P/N.</p>

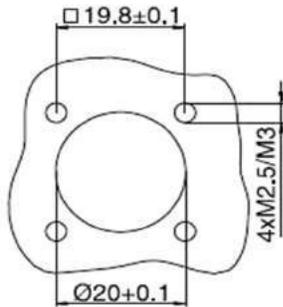
Part Number	RF-	X	X	X	X	X	X	X	X	X	X	X
Please fill in the first 7 digits of your desired crimp connector insert (12-17 positions) from pages B-A-58...												
Connectors with integrated strain relief and....												
seal ring for 3.0 - 13.2 mm Ø									9 0 D U			
seal ring for 6 - 10 mm Ø									9 0 0 2			
seal ring for 9 - 13.2 mm Ø									9 0 0 3			



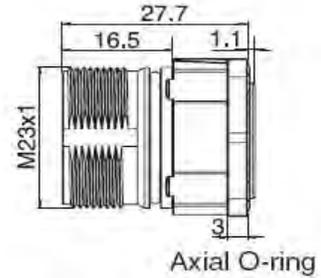
Shielded Connectors M23 Series RF
fits all RF-Connectors with Coupling Nut
Shell style WA/WQ (front mount receptacles)

mounting dimensions

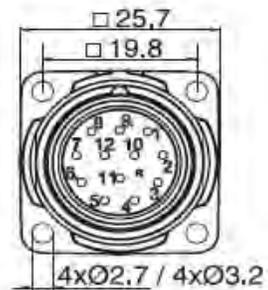
bore holes



side view with
O-ring axial



top view
style WA00
style WQ00



Assembly instructions: page B-D-18
 Caps and accessories: pages B-H-01...

Mounting tools: N/A

Crimp tool for contacts: pages B-B-01...
 Crimp contacts: pages B-C-30.....

We also deliver as a connector set.
 Connector with crimp insert - and
 contacts separate included. Please ask for P/N.



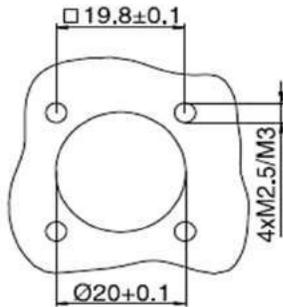
Part Number	RF-	X	X	X	X	X	X	X	X	X	X	X
Please fill in the first 7 digits of your desired connector insert (12-17 positions) from pages B-A-58....												
Connector with axial O-ring, flange with 4 holes 3.2 mm Ø the insert is held with snap ring									W A 0 0			
Connector with axial O-ring, flange with 4 holes 2.7 mm Ø the insert is held with snap ring									W Q 0 0			



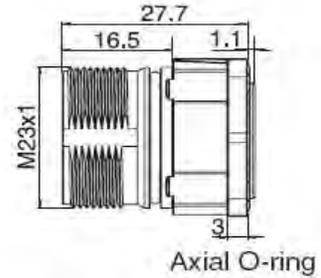
Shielded Connectors M23 Series RF
fits all RF-Connectors with Coupling Nut
Shell style WB/W4 (front mount receptacles)

mounting dimensions

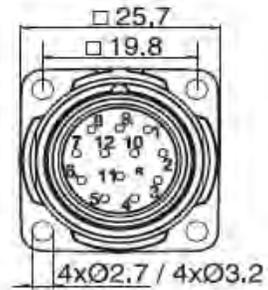
bore holes



side view with
O-ring axial



top view
style WB00
style W400



Assembly instructions: page B-D-19
 Caps and accessories: pages B-H-01...

Mounting tools: N/A

Crimp tool for contacts: pages B-B-01...
 Crimp contacts: pages B-C-30.....

We also deliver as a connector set.
 Connector with crimp insert - and
 contacts separate included. Please ask for P/N.



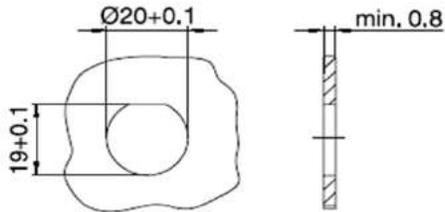
Part Number	RF-	X	X	X	X	X	X	X	X	X	X	X
Please fill in the first 7 digits of your desired connector insert (12-17 positions) from pages B-A-58....												
Connector with axial O-ring, flange with 4 holes 3.2 mm Ø the insert is snapped into the housing									W B 0 0			
Connector with axial O-ring, flange with 4 holes 2.7 mm Ø the insert is snapped into the housing									W 4 0 0			



Shielded Connectors M23 Series RF
fits all RF-Connectors with Coupling Nut
Shell style 61 (front mount receptacles)

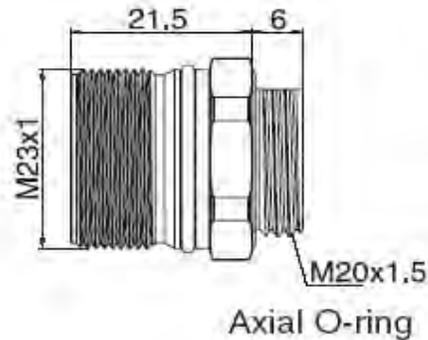
mounting dimensions

bore holes



or thread M20x1.5 mm

side view with
O-ring axial



Assembly instructions: page B-D-13
 Caps and accessories: pages B-H-01...
 Mounting tools: N/A
 Crimp tool for contacts: pages B-B-01...
 Crimp contacts: pages B-C-30.....

We also deliver as a connector set.
 Connector with crimp insert - and
 contacts separate included. Please ask for P/N.

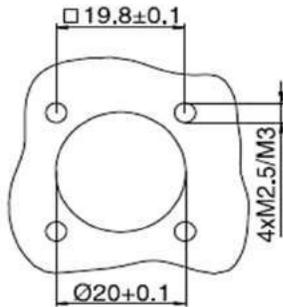


Part Number	RF-	X	X	X	X	X	X	X	X	X	X	X
Please fill in the first 7 digits of your desired connector insert (12-17 positions) from pages B-A-58....												
mounting thread M20x1.5 mm										6	1	0 0
mounting thread M20x1.5 mm plus hex nut										6	1	0 N
mounting thread M20x1.5 mm plus hex nut and washer										6	1	W N

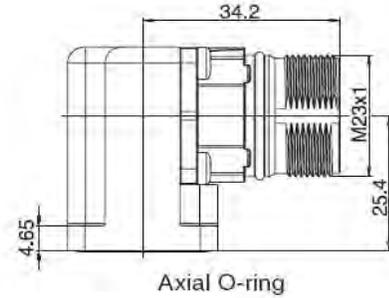
Shielded Connectors M23 Series RF
fits all RF-Connectors with Coupling Nut
Shell style A2 (front mount receptacles)

mounting dimensions

bore holes

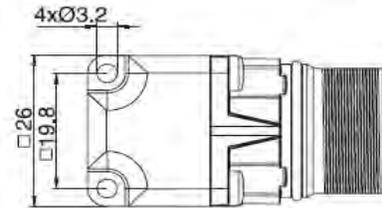


side view with
O-ring axial



Axial O-ring

top view
style A200



Assembly instructions: page B-D-17
 Caps and accessories: pages B-H-01...
 Mounting tools: N/A
 Crimp tool for contacts: pages B-B-01...
 Crimp contacts: pages B-C-30.....

We also deliver as a connector set.
 Connector with crimp insert - and
 contacts separate included. Please ask for P/N.



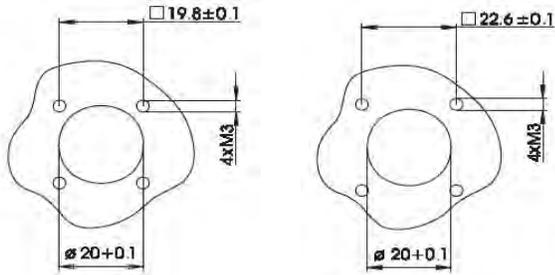
Part Number	RF-	X	X	X	X	X	X	X	X	X	X	X
Please fill in the first 7 digits of your desired connector insert (12-17 positions) from pages B-A-58....												
Connector with axial O-ring, flange with 4 holes 3.2 mm Ø connector body angled, fixed									A 2 0 0			



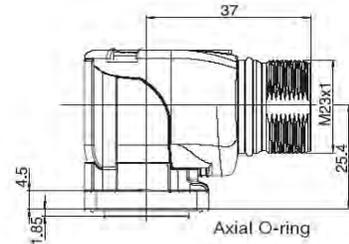
Shielded Connectors M23 Series RF
fits all RF-Connectors with Coupling Nut
Shell style AF/AK (front mount receptacles)

mounting dimensions

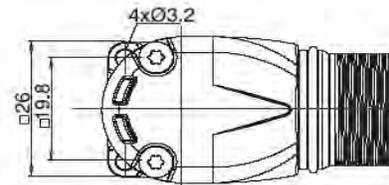
bore holes AF and AK



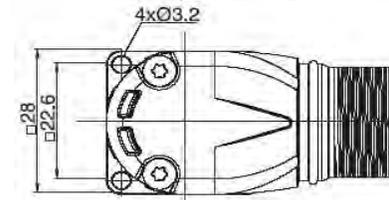
side view with
O-ring axial



top view
style AF00



top view
style AK00



Assembly instructions: page B-D-16
Caps and accessories: pages B-H-01...
Mounting tools: N/A
Crimp tool for contacts: pages B-B-01...
Crimp contacts: pages B-C-30.....

We also deliver as a connector set.
Connector with crimp insert - and 
contacts separate included. Please ask for P/N.

Part Number	RF-	X	X	X	X	X	X	X	X	X	X	X
Please fill in the first 7 digits of your desired connector insert (12-17 positions) from pages B-A-58....												
Connector with axial O-ring, flange with 4 holes 3.2 mm Ø angled body, fixed, flange 26 x 26 mm									A F 0 0			
Connector with axial O-ring, flange with 4 holes 3.2 mm Ø angled body, fixed, flange 28 x 28 mm									A K 0 0			



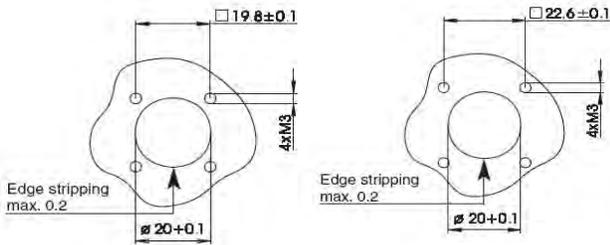


Shielded Connectors M23 Series RF
fits all RF-Connectors with Coupling Nut
Shell style AD/AC (front mount receptacles)

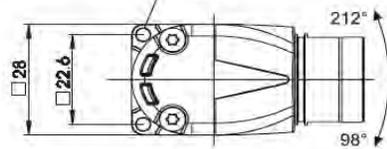
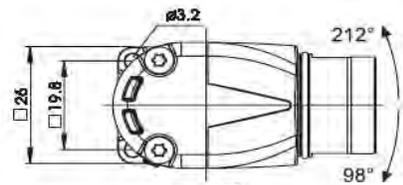
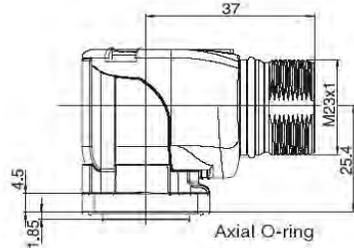
mounting dimensions

bore holes AD and AC

side view with O-ring axial



top view style AD00



top view style AC00

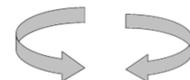
Assembly instructions: page B-D-16
 Caps and accessories: pages B-H-01...

Mounting tools: N/A

Crimp tool for contacts: pages B-B-01...
 Crimp contacts: pages B-C-30.....

We also deliver as a connector set. 
 Connector with crimp insert - and contacts separate included. Please ask for P/N.

Part Number	RF-	X	X	X	X	X	X	X	X	X	X	X			
Please fill in the first 7 digits of your desired connector insert (12-17 positions) from pages B-A-58....															
Connector with axial O-ring, flange with 4 holes 3.2 mm Ø											A	D	0	0	
26 x 26 mm															
Connector with axial O-ring, flange with 4 holes 3.2 mm Ø												A	C	0	0
28 x 28 mm															

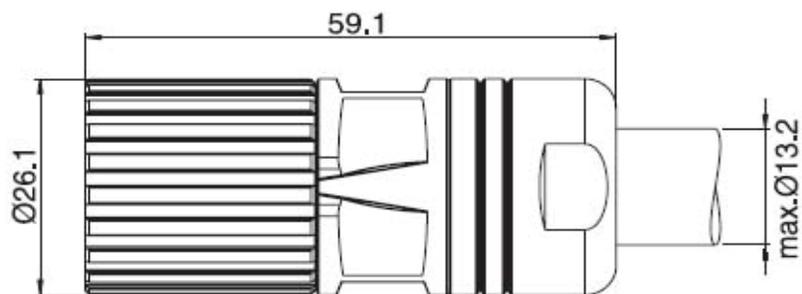


rotatable with 310°

Shielded Connectors M23 Series RF
fits all RF- Bulkheads
Shell style 8V



Stainless Steel 1.4305

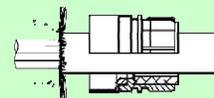


Assembly instructions: page B-D-14
 Caps and accessories: pages B-H-01...

Mounting tools: N/A or counterpart

Crimp tool for contacts: pages B-B-01...
 Crimp contacts: pages B-C-30.....

All RF-connectors with universal shielding material for different jacket and shield diameters.



We also deliver as a connector set. Connector with crimp insert - and contacts separate included. Please ask for P/N.

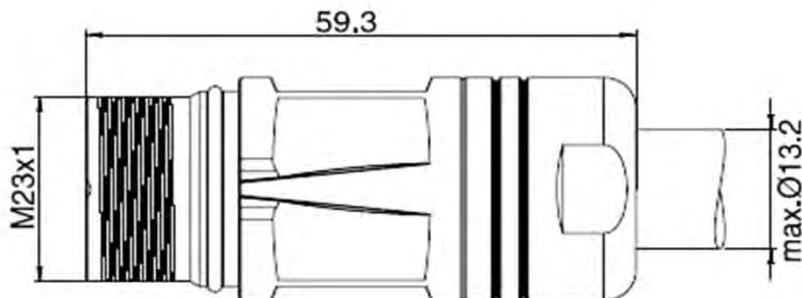


Part Number	RF-	X	X	X	X	X	X	X	X	X	X	X
Please fill in the first 7 digits of your desired crimp connector insert (12-17 positions) from pages B-A-58...												
Connectors with integrated strain relief and....												
seal ring for 3.0 - 13.2 mm Ø									8 V D U			
seal ring for 6 - 10 mm Ø									8 V 0 2			
seal ring for 9 - 13.2 mm Ø									8 V 0 3			

Shielded Connectors M23 Series RF
fits all RF- Connectors with Coupling Nut
Shell style 9V



Stainless Steel 1.4305

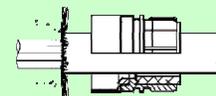


Assembly instructions: page B-D-15
 Caps and accessories: pages B-H-01...

Mounting tools: N/A

Crimp tool for contacts: pages B-B-01...
 Crimp contacts: pages B-C-30.....

All RF-connectors with universal shielding material for different jacket and shield diameters.



We also deliver as a connector set. Connector with crimp insert - and contacts separate included. Please ask for P/N.



Part Number	RF-	X	X	X	X	X	X	X	X	X	X	X
Please fill in the first 7 digits of your desired crimp connector insert (12-17 positions) from pages B-A-58...												
Connectors with integrated strain relief and....												
seal ring for 3.0 - 13.2 mm Ø									9 V D U			
seal ring for 6 - 10 mm Ø									9 V 0 2			
seal ring for 9 - 13.2 mm Ø									9 V 0 3			

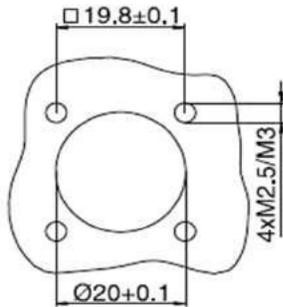


Shielded Connectors M23 Series RF
fits all RF-Connectors with Coupling Nut
Shell style WV/WU (front mount receptacles)

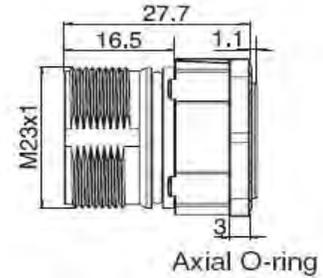
Stainless Steel 1.4305

mounting dimensions

bore holes

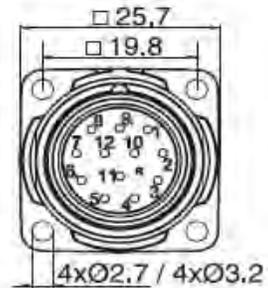


side view with
O-ring axial



Axial O-ring

top view
style WV00
style WU00



Assembly instructions: page B-D-18
 Caps and accessories: pages B-H-01...

Mounting tools: N/A

Crimp tool for contacts: pages B-B-01...
 Crimp contacts: pages B-C-30.....

We also deliver as a connector set.
 Connector with crimp insert - and
 contacts separate included. Please ask for P/N.



Part Number	RF-	X	X	X	X	X	X	X	X	X	X	X
Please fill in the first 7 digits of your desired connector insert (12-17 positions) from pages B-A-58....												
Connector with axial O-ring, flange with 4 holes 3.2 mm Ø the insert is held with snap ring									W V 0 0			
Connector with axial O-ring, flange with 4 holes 2.7 mm Ø the insert is held with snap ring									W U 0 0			



Member of the Phoenix Contact Group

R C Series

Unshielded Connectors M23
Our most popular standard version



Connectors M23 Series RC

Technical Data



Shell material

Machined components: Copper-Zinc alloy (CuZn)
 die cast components: Zinc (GD-Zn)
 Shell plating: Nickel (Ni) plated
 Cable entry: max. 18 mm



Insulator

Connector inserts: Thermoplastic polyester (PBT), Polyamid (PA66),

Contacts

Contact material: Copper-Zinc alloy (CuZn)
 Contact plating: Nickel (Ni) with gold (Au) passivated
 Contact termination: Solder cup, crimp type, screw type, dip solder



Sealing

Sealing rings: Fluor rubber (FPM)
 Gaskets: Fluor rubber (FPM), or Perbunan (NBR) stiffened gaskets

Temperature

Temperature (long term) Celsius: - 40 °C up to +125°C
 Temperature (long term) Fahrenheit: - 40 °F up to + 257 °F



Mating

Female coupling nuts: M23 screw locking
 Male receptacles: M23 screw locking
 Mating cycles: Standard min. 50



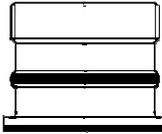
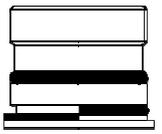
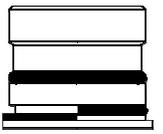
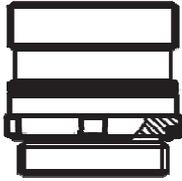
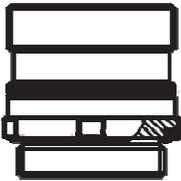
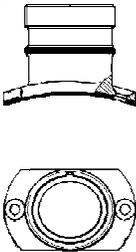
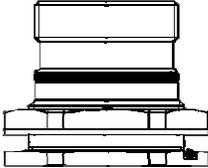
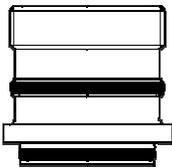
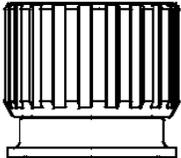
Protection

Protection class : IP 67 (mated) depends on which cable gland is used

Number of positions	6,7	9 (8+1)	9 (6+3)	12	16	17	19 (16+3)
Number of contacts	6,7	8 1	6 3	12	16	17	16 3
Contact dia. (mm Ø)	2	1 2	1 2	1	1	1	1 1.5
Rated current at 25°C (A)	20	8 20	8 20	8	8	8	8 10
Rated voltage (V)	250	150	150	150	150	150	150
Test voltage (Volt AC)	2,500	1,500	1,500	1,500	1,500	1,500	1,500
Overvoltage category DIN EN 61984-2001	II	II	II	II	II	II	II
Insulation resistance (Ω)	≥10 ¹⁶	≥10 ¹⁶	≥10 ¹²	≥10^{12}	≥10^{12}	≥10^{12}	≥10^{12}
Contact resistance (mΩ)	≤3	≤3	≤3	≤3	≤3	≤3	≤3
Pollution degree acc. to IEC 664-1	2 (3 ¹)						
Contact resistance (mΩ)	≤3	≤3	≤3	≤3	≤3	≤3	≤3
Pollution degree acc. to IEC 664-1	2 (3 ¹)						

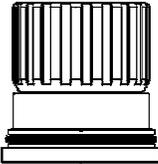
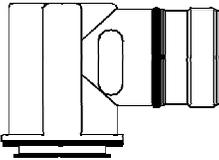
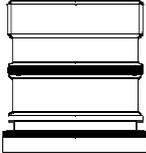
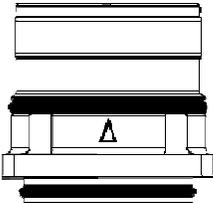
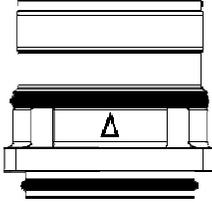
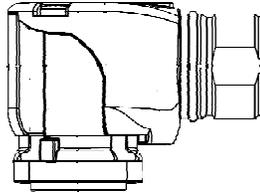
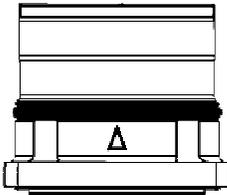
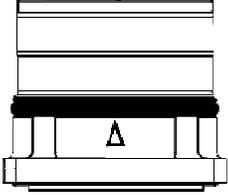
Bulkhead Connectors M23 Series RC
Shell styles 2, 4, 5, 6, D, H, W, Y



<p>RC-xxxxxxx2x00 page C-F-10</p>	<p>RC-xxxxxxx4x00 page C-F-11</p>	<p>RC-xxxxxxx5x00 page C-F-12</p>
<p>front mount, straight square flange, gasket flange with holes male thread M 23</p>	<p>rear mount, straight square flange, gasket - O-ring flange with threads male thread M 23</p>	<p>rear mount, straight square flange, gasket - O-ring flange with holes male thread M 23</p>
<p style="text-align: center;"></p> <p style="text-align: center;">style 2</p>	<p style="text-align: center;"></p> <p style="text-align: center;">style 4</p>	<p style="text-align: center;"></p> <p style="text-align: center;">style 5</p>
<p>RC-xxxxxxx6xxx page C-F-13</p>	<p>RC-xxxxxxx6R00 page C-F-14</p>	<p>RC-xxxxxxxDx00 page C-F-15</p>
<p>front mount, straight round flange, gasket - O-ring and/or lock nut from the back male thread M 23</p>	<p>front mount, straight round flange, gasket lock nut from the back male thread M 23</p>	<p>front mount, D-shaped with gasket flange with countersink holes male thread M 23</p>
<p style="text-align: center;"></p> <p style="text-align: center;">style 6</p>	<p style="text-align: center;"></p> <p style="text-align: center;">style 6 USA flange</p>	<p style="text-align: center;"></p> <p style="text-align: center;">style D</p>
<p>RC-xxxxxxxHx00 page C-F-16</p>	<p>RC-xxxxxxxWx00 page C-F-17</p>	<p>RC-xxxxxxxYx00 page C-F-18</p>
<p>rear mount, straight round flange, O-ring lock nut from the front male thread M 23</p>	<p>front mount, straight square flange, O-ring flange with holes male thread M 23</p>	<p>front mount, straight square flange, gasket - O-ring flange with holes female coupling nut</p>
<p style="text-align: center;"></p> <p style="text-align: center;">style H</p>	<p style="text-align: center;"></p> <p style="text-align: center;">style W</p>	<p style="text-align: center;"></p> <p style="text-align: center;">style Y</p>

Bulkhead Connectors M23 Series RC
Shell styles Y8, A, E, WQ, WR, AD, WS, WT

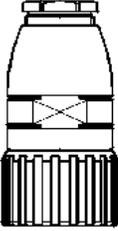
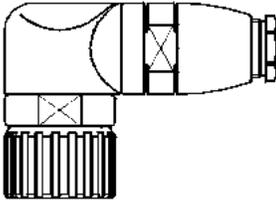
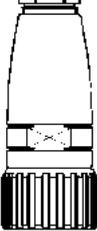
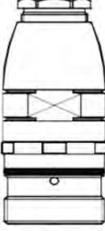
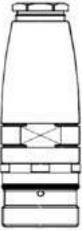
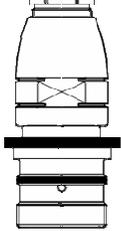
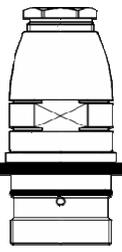
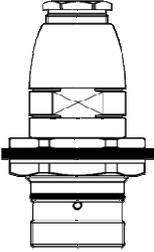
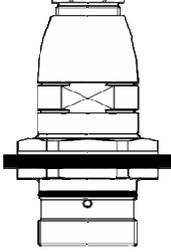


<p>RC-xxxxxxxY800 page C-F-19</p>	<p>RC-xxxxxxxAx00 page C-F-20</p>	<p>RC-xxxxxxxEx00 page C-F-21</p>
<p>rear mount, straight square flange, O-ring flange with threads female coupling nut</p>	<p>front mount, right angled square flange, gasket - O-ring flange with holes male thread M 23</p>	<p>rear mount, straight square flange, gasket - O-ring flange with holes/threads male thread M 23</p>
 <p>style Y8</p>	 <p>style A</p>	 <p>style E</p>
<p>RC-xxxxxxxWQ00 page C-F-22</p>	<p>RC-xxxxxxxWR00 page C-F-22</p>	<p>RC-xxxxxxxAD00 page C-F-23</p>
<p>front mount, straight square flange, O-ring radial 4 holes 2.7 mm Ø male thread M 23</p>	<p>front mount, straight square flange, O-ring radial 4 holes 3.2 mm Ø male thread M 23</p>	<p>front mount, right angled square flange, O-ring axial 4 holes 3.2 mm Ø male thread M 23</p>
 <p>style WQ</p>	 <p>style WR</p>	 <p>turnable connector style AD</p>
<p>RC-xxxxxxxWS00 page C-F-22</p>	<p>RC-xxxxxxxWT00 page C-F-22</p>	
<p>front mount, straight square flange, O-ring axial 4 holes 2.7 mm Ø male thread M 23</p>	<p>front mount, straight square flange, O-ring axial 4 holes 3.2 mm Ø male thread M 23</p>	
 <p>style WS</p>	 <p>style WT</p>	



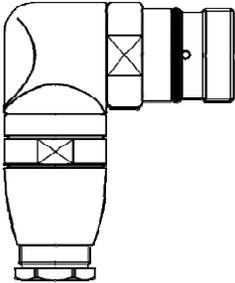
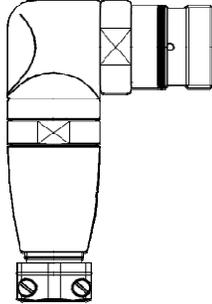
Unshielded Connectors M23 Series RC

Shell styles 1, Z, L, 7, J, 3, U, G, P

<p>RC-xxxxxxx1xxx page C-F-55</p>	<p>RC-xxxxxxxZxxx page C-F-56</p>	<p>RC-xxxxxxxLxxx page C-F-57</p>
<p>Cable connector straight with female coupling nut cable entry max. 18 mm</p>	<p>Cable connector right angled with female coupling nut cable entry max. 18 mm</p>	<p>cable connector straight long with female coupling nut cable entry max. 18 mm</p>
 <p>style 1</p>	 <p>style Z</p>	 <p>style L</p>
<p>RC-xxxxxxx7xxx page C-F-58</p>	<p>RC-xxxxxxxJxxx page C-F-59</p>	<p>RC-xxxxxxx3xxx page C-F-60</p>
<p>cable connector straight with male thread cable entry max. 18 mm</p>	<p>cable connector straight, long with male thread cable entry max 18 mm</p>	<p>cable connector straight with male thread cable entry max. 18 mm front mount, square flange</p>
 <p>style 7</p>	 <p>style J</p>	 <p>style 3</p>
<p>RC-xxxxxxxUxxx page C0-F-61</p>	<p>RC-xxxxxxxGxxx page C-F-62</p>	<p>RC-xxxxxxxPxxx page C-F-63</p>
<p>cable connector straight with male thread cable entry max. 18 mm rear mount, square flange</p>	<p>cable connector straight, long with male thread cable entry max 18 mm rear mount, round flange</p>	<p>cable connector straight with male thread cable entry max. 18 mm front mount, round flange</p>
 <p>style U</p>	 <p>style G</p>	 <p>style P</p>

Unshielded Connectors M23 Series RC
Shell styles 7W, JW



<p>RC-xxxxxxx7Wxx page C-F-64</p>	<p>RC-xxxxxxxJWxxx page C-F-65</p>	
<p>Cable connector right angled with male thread cable entry max. 18 mm</p>	<p>Cable connector right angled with male thread cable entry max. 18 mm long version</p>	
 <p style="text-align: center;">style 7W</p>	 <p style="text-align: center;">style JW</p>	



Bulkhead Connectors M23 Series RC

fits all UC/RC-... Cable Connectors with female coupling nut

Shell style 2 • front mount receptacle •

<p>mounting dimensions</p> <p>$\square 19,8 \pm 0,1$</p>	<p>connector dimensions</p> <p>$\square 25$ $\square 19,8$</p> <p>1 21,3 1,5</p> <p>M 23</p> <p>Flat gasket</p>
<p>mounting hole</p> <p>$\varnothing 20 \pm 0,1$</p>	<p>We also deliver as a connector set. Connector with crimp insert - and the contacts are separate included. Please ask for P/N</p>
<p>Caps and accessories: pages B-H-01... Mounting tools: pages: B-E-01... Assembly instructions: page B-D-03 Crimp tools for contacts: pages B-B-01... Crimp contacts: pages B-C-01...</p>	

Part Number	RC-	X	X	X	X	X	X	X	2	X	0	0								
with black O-ring	RC-	Here please fill in the first 7 digits of your desired connector insert (6-19 positions) from page B-A-01 to page B-A-29 																		
with red O-ring	RCRD-																			
with yellow O-ring	RCYE-																			
with green O-ring	RCGN-																			
with blue O-ring	RCBL-																			
 <p>f.e. RC-xxxxxxx2300</p>																				
												<table border="1"> <tr> <td style="background-color: #cccccc;">0</td> <td style="background-color: #cccccc;">gasket separate 4 holes 2.7 mm Ø</td> </tr> <tr> <td style="background-color: #cccccc;">1</td> <td style="background-color: #cccccc;">gasket separate 4 holes 3.2 mm Ø</td> </tr> <tr> <td style="background-color: #cccccc;">2</td> <td style="background-color: #cccccc;">gasket mounted 4 holes 2.7 mm Ø</td> </tr> <tr> <td style="background-color: #cccccc;">3</td> <td style="background-color: #cccccc;">gasket mounted 4 holes 3.2 mm Ø</td> </tr> </table>	0	gasket separate 4 holes 2.7 mm Ø	1	gasket separate 4 holes 3.2 mm Ø	2	gasket mounted 4 holes 2.7 mm Ø	3	gasket mounted 4 holes 3.2 mm Ø
0	gasket separate 4 holes 2.7 mm Ø																			
1	gasket separate 4 holes 3.2 mm Ø																			
2	gasket mounted 4 holes 2.7 mm Ø																			
3	gasket mounted 4 holes 3.2 mm Ø																			



Bulkhead Connectors M23 Series RC
fits all UC/RC-... Cable Connectors with female coupling nut
Shell style 4 • rear mount receptacle •

<p>mounting dimensions</p>	<p>connector dimensions</p>
<p>mounting holes O-ring gasket</p>	<p>We also deliver as a connector set. Connector with crimp insert - and the contacts are separate included. Please ask for P/N</p>
<p>Caps and accessories: pages B-H-01... Mounting tools: pages: B-E-01... Assembly instructions: page B-D-03 Crimp tools for contacts: pages B-B-01... Crimp contacts: pages B-C-01...</p>	

Part Number	RC-	X	X	X	X	X	X	X	4	X	0	0	
<p>with black O-ring</p> <p>with red O-ring</p> <p>with yellow O-ring</p> <p>with green O-ring</p> <p>with blue O-ring</p>	<p>RC-</p> <p>RCRD-</p> <p>RCYE-</p> <p>RCGN-</p> <p>RCBL-</p>	<p>Here please fill in the first 7 digits of your desired connector insert (6-19 positions) from page B-A-01 to page B-A-29</p>							<p>0 gasket mounted 4 threads M2.5</p> <p>1 gasket mounted 4 threads M3</p> <p>2 O-ring radial 4 threads M2.5</p> <p>3 O-ring radial 4 threads M3</p>				
<p>f.e. RC-xxxxxxx4300</p>													



Bulkhead Connectors M23 Series RC

fits all UC/RC-... Cable Connectors with female coupling nut

Shell style 6 • front mount receptacle •

<p style="text-align: center;">mounting dimensions</p> <p>∅20±0,1</p> <p>max. 3,5mm Gasket</p> <p>max. 4,5mm O-Ring</p>	<p style="text-align: center;">connector dimensions</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>style 60/61/6R/63</p> </div> <div style="text-align: center;"> <p>style 6H/6A</p> </div> </div> <div style="text-align: center; margin-top: 10px;"> <p>style 65 with adjustable positions</p> </div>
<p>Caps and accessories: pages B-H-01...</p> <p>Mounting tools: pages: B-E-01...</p> <p>Assembly instructions: page B-D-03</p> <p>Crimp tools for contacts: pages B-B-01...</p> <p>Crimp contacts: pages B-C-01...</p>	<p>We also deliver as a connector set. Connector with crimp insert - and the contacts are separate included. Please ask for P/N</p>

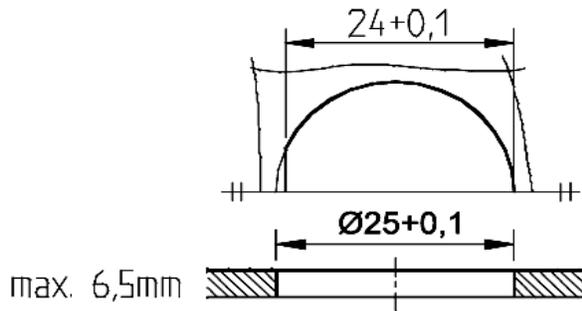
Part Number	RC-	X	X	X	X	X	X	X	6	X	X	X
with black O-ring	RC-	Here please fill in the first 7 digits of your desired connector insert (6-19 positions) from page B-A-01 to page B-A-29							0 S R	M20, 6 mm thread, seal ring		
with red O-ring	RCRD-								0 W W	same, with washer		
with yellow O-ring	RCYE-								0 0 0	same, with washer and nut		
with green O-ring	RCGN-								R S R	M20, 10 mm thread, seal ring		
with blue O-ring	RCBL-								R W W	same, with washer		
<p>f.e. RC-xxxxxxx6R00</p>		R 0 0	same, with washer and nut									
		1 0 R	M20, 6 mm thread, O- ring									
		1 W W	same, with washer									
A 0 R M20, 6 mm thread, O-ring A W W same, with washer A 0 0 same, with washer and nut		1 0 0	same, with washer and nut									
		3 0 0	PG 13.5, 6 mm thread, O- ring									
		3 W W	same, with washer									
5 0 0 PG 13.5, 6 mm thread, O-ring 5 W W same, with washer 5 W N same, with washer and nut		3 W N	same, with washer and nut									
		H S R	M20, 6 mm thread, seal ring									
		H W W	same, with washer									
		H 0 0	same, with washer and nut									



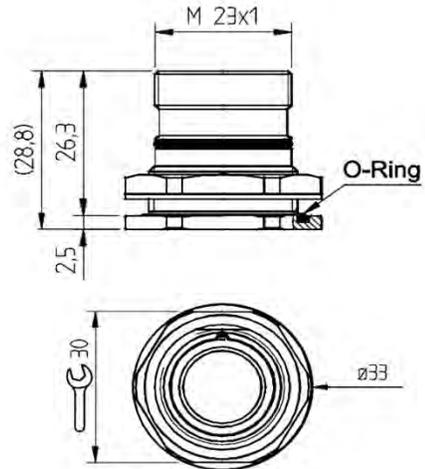
Bulkhead Connectors M23 Series RC
fits all UC/RC-... Cable Connectors with female coupling nut
Shell style H • rear mount receptacle •

mounting dimensions

O-Ring axial M25



connector dimensions



Caps and accessories: pages B-H-01...
 Mounting tools: pages: B-E-01...
 Assembly instructions: page B-D-03
 Crimp tools for contacts: pages B-B-01...
 Crimp contacts: pages B-C-01...

We also deliver as a connector set.
 Connector with crimp insert - and
 the contacts are separate included.
 Please ask for P/N



Part Number	RC-	X	X	X	X	X	X	X	H	X	0	0
with black O-ring	RC-	Here please fill in the first 7 digits of your desired connector insert (6-19 positions) from page B-A-01 to page B-A-29 										
with red O-ring/washer	RCRD-											
with yellow O-ring/washer	RCYE-											
with green O-ring/washer	RCGN-											
with blue O-ring/washer	RCBL-											
										0	with axial O-ring washer and nut	





Bulkhead Connectors M23 Series RC
fits all UC/RC-... Cable Connectors with female coupling nut
Shell style W • front mount receptacle •

<p style="text-align: center;">mounting dimensions</p>	<p style="text-align: center;">connector dimensions</p>
<p>Caps and accessories: pages B-H-01...</p> <p>Mounting tools: pages: B-E-01...</p> <p>Assembly instructions: page B-D-03</p> <p>Crimp tools for contacts: pages B-B-01...</p> <p>Crimp contacts: pages B-C-01...</p>	<p>We also deliver as a connector set. Connector with crimp insert - and the contacts are separate included. Please ask for P/N</p>

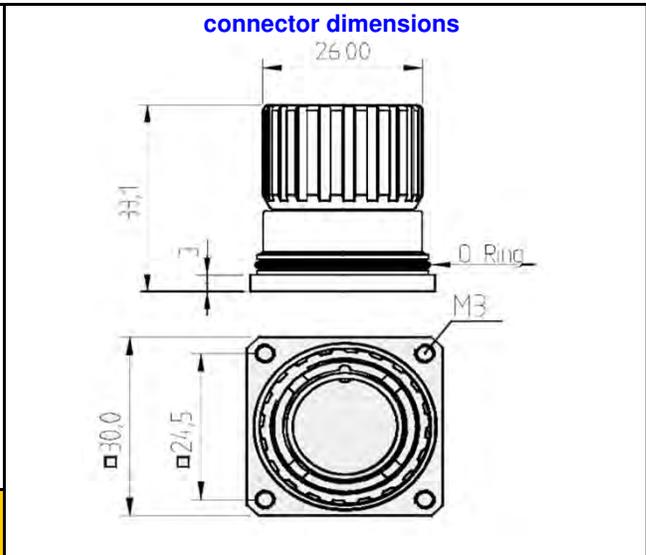
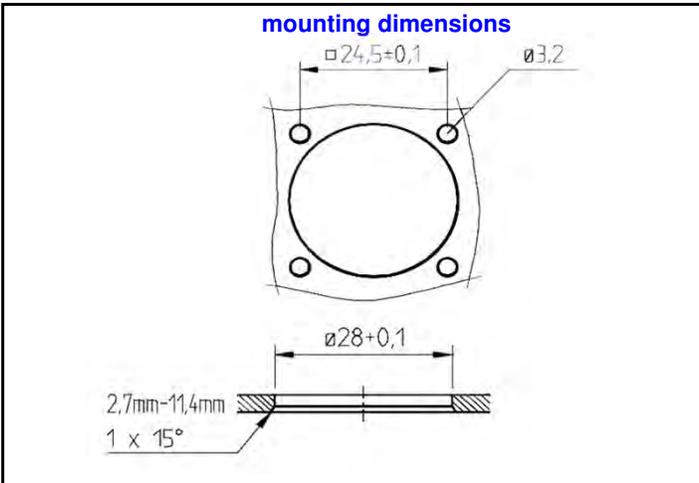
Part Number	RC-	X	X	X	X	X	X	X	W	X	0	0							
with black O-ring	RC-	Here please fill in the first 7 digits of your desired connector insert (6-19 positions) from page B-A-01 to page B-A-29 																	
with red O-ring	RCRD-																		
with yellow O-ring	RCYE-																		
with green O-ring	RCGN-																		
with blue O-ring	RCBL-																		
 <p style="color: blue;">f.e. RC-xxxxxxxWA00</p>																			
<table border="0" style="width: 100%;"> <tr> <td style="width: 20px;">2</td> <td>O-ring radial 4 holes 2.7 mm Ø</td> </tr> <tr> <td>A</td> <td>O-ring radial 4 holes 3.2 mm Ø</td> </tr> <tr> <td>4</td> <td>O-ring axial 4 holes 2.7 mm Ø</td> </tr> <tr> <td>B</td> <td>O-ring axial 4 holes 3.2 mm Ø</td> </tr> </table>												2	O-ring radial 4 holes 2.7 mm Ø	A	O-ring radial 4 holes 3.2 mm Ø	4	O-ring axial 4 holes 2.7 mm Ø	B	O-ring axial 4 holes 3.2 mm Ø
2	O-ring radial 4 holes 2.7 mm Ø																		
A	O-ring radial 4 holes 3.2 mm Ø																		
4	O-ring axial 4 holes 2.7 mm Ø																		
B	O-ring axial 4 holes 3.2 mm Ø																		

Bulkhead Connectors M23 Series RC
fits all UC/RC-... Cable Connectors with male thread
Shell style Y • front mount receptacle •

<p style="text-align: center;">mounting dimensions</p> <p style="text-align: center;">connector dimensions</p> <p>Y0/Y1/Y2/Y3 YP/YQ</p> <p>YR/YF</p>	<p>caps and accessories: pages B-H-01... Mounting tools: pages B-E-01... Assembly instructions: page B-D-03 Crimp tools for contacts: pages B-B-01... Crimp contacts: pages B-C-01...</p> <p>We also deliver as a connector set. Connector with crimp insert - and the contacts are separate included. Please ask for P/N</p>
---	--

Part Number	RC-	X	X	X	X	X	X	X	Y	X	0	0	
with brass/ni coupling	RC-	Here please fill in the first 7 digits of your desired connector insert (6-19 positions) from page B-A-01 to page B-A-29										0	Gasket separate, 4 holes 2.7 mm Ø
with red coupling nut	RCRD-											1	Gasket separate, 4 holes 3.2 mm Ø
with yellow coupling nut	RCYE-											2	Gasket mounted, 4 holes 2.7 mm Ø
with green coupling nut	RCGN-											3	Gasket mounted, 4 holes 3.2 mm Ø
with blue coupling nut	RCBL-											P	O-ring axial, PG 13.5, washer, nut
<p>f.e. RCYE-xxxxxxxY300</p> <p>f.e. RC-xxxxxxxY300</p> <p>f.e. RC-xxxxxxxYR00</p>		Q	Seal ring axial, PG 13.5, washer, nut										
		F	O-ring axial, turnable 8 x 45 ° 4 holes 3.2 mm Ø										
		R	O-ring radial, turnable 8 x 45 ° 4 holes 3.2 mm Ø										

Bulkhead Connectors M23 Series RC
fits all UC/RC-... Cable Connectors with male thread
Shell style Y8 • rear mount receptacle •



Caps and accessories: pages B-H-01...
Mounting tools: pages: B-E-01...
Assembly instructions: page B-D-03
Crimp tools for contacts: pages B-B-01...
Crimp contacts: pages B-C-01...

We also deliver as a connector set. Connector with crimp insert - and the contacts are separate included. Please ask for P/N

Part Number	RC-	X	X	X	X	X	X	X	Y	X	0	0
with brass/ni coupling	RC-	Here please fill in the first 7 digits of your desired connector insert (6-19 positions) from page B-A-01 to page B-A-29 										
with red coupling nut	RCRD-											
with yellow coupling nut	RCYE-											
with green coupling nut	RCGN-											
with blue coupling nut	RCBL-											
		8 with radial O-ring 4 threads M3 turnable 8 x 45 °										





Bulkhead Connectors M23 Series RC
fits all UC/RC-... Cable Connectors with female coupling nut
Shell style A • front mount receptacle right angled •

<p style="text-align: center;">mounting dimensions</p>	<p style="text-align: center;">connector dimensions</p>
<p>Caps and accessories: pages B-H-01... Mounting tools: pages B-E-01... Assembly instructions: page B-D-03 Crimp tools for contacts: pages B-B-01... Crimp contacts: pages B-C-01...</p>	<p>We also deliver as a connector set. Connector with crimp insert - and the contacts are separate included. Please ask for P/N</p>

Part Number	RC-	X	X	X	X	X	X	X	A	X	0	0	
with black O-ring	RC-	Here please fill in the first 7 digits of your desired connector insert (6-19 positions) from page B-A-01 to page B-A-29										0	Gasket separate, 4 holes 2.7 mm Ø
with red O-ring	RCRD-											1	Gasket separate, 4 holes 3.2 mm Ø
with yellow O-ring	RCYE-											2	O-ring radial, 4 holes 2.7 mm Ø
with green O-ring	RCGN-											3	O-ring radial, 4 holes 3.2 mm Ø
with blue O-ring	RCBL-											5	Gasket mounted, 4 holes 2.7 mm Ø
												6	Gasket mounted, 4 holes 3.2 mm Ø

f.e. RC-xxxxxxxA100

f.e. RC-xxxxxxxA300

Bulkhead Connectors M23 Series RC
fits all UC/RC-... Cable Connectors with female coupling nut
Shell style E • rear mount receptacle •

<p style="text-align: center;">mounting dimensions</p>	<p style="text-align: center;">connector dimensions</p>
<p>Caps and accessories: pages B-H-01...</p> <p>Mounting tools: pages B-E-01...</p> <p>Assembly instructions: page B-D-03</p> <p>Crimp tools for contacts: pages B-B-01...</p> <p>Crimp contacts: pages B-C-01...</p>	<p>We also deliver as a connector set. Connector with crimp insert - and the contacts are separate included. Please ask for P/N</p>

Part Number	RC-	X	X	X	X	X	X	X	E	X	0	0
with black O-ring	RC-	Here please fill in the first 7 digits of your desired connector insert (6-19 positions) from page B-A-01 to page B-A-29										
with red O-ring	RCRD-											
with yellow O-ring	RCYE-											
with green O-ring	RCGN-											
with blue O-ring	RCBL-											
<p>f.e. RC-xxxxxxxE700</p>												
<p>f.e. RC-xxxxxxxE600</p>												
											1 with gasket 4 threads M3	
											7 with gasket 4 holes 3.2 mm Ø	
											0 O-ring radial 4 threads M3	
											6 O-ring radial 4 holes 3.2 mm Ø	



Bulkhead Connectors M23 Series RC

fits all UC/RC-... Cable Connectors with female coupling nut

Shell style AD • front mount receptacle right angled •

<p style="text-align: center;">mounting dimensions</p> <p>Installation dimensions</p> <p>Edge stripping max. 0.2</p>	<p style="text-align: center;">connector dimensions</p> <p style="text-align: center;">Other ranges of rotation on request</p>
<p>Caps and accessories: pages B-H-01...</p> <p>Mounting tools: N/A</p> <p>Assembly instructions: N/A</p> <p>Crimp tools for contacts: pages B-B-01...</p> <p>Crimp contacts: pages B-C-01...</p>	<p>We also deliver as a connector set. Connector with crimp insert - and the contacts are separate included. Please ask for P/N</p>

Part Number	RC-	X	X	X	X	X	X	X	A	D	0	0
with black O-ring	RC-	Here please fill in the first 7 digits of your desired connector insert (6-19 positions) from page B-A-01 to page B-A-29 										
with red O-ring	RCRD-											
with yellow O-ring	RCYE-											
with green O-ring	RCGN-											
with blue O-ring	RCBL-											

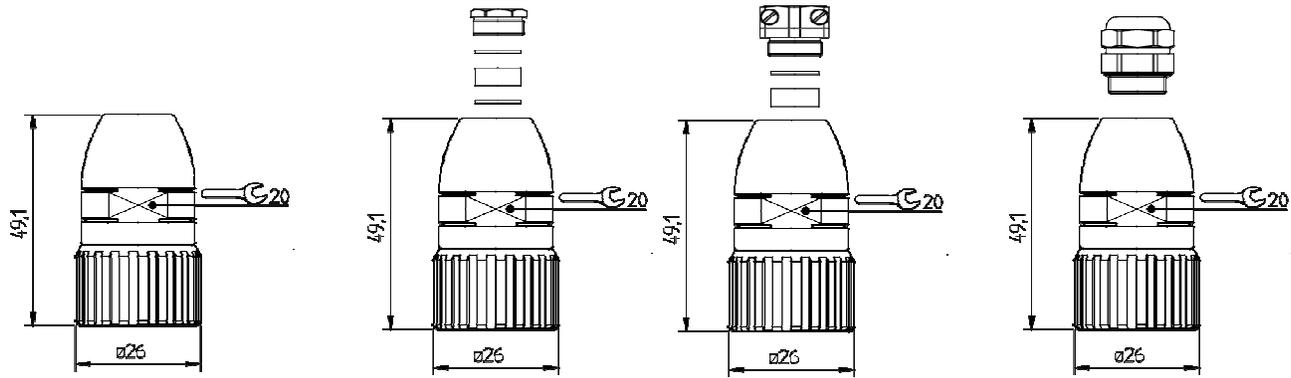


turnable 310 °

Non-shielded Cable Connectors M23 Series RC

fits all RC/UC Connectors with male outside thread

Shell style 1



open endbell w/o cable gland

standard fitting

double lever

IP 68 cable gland

Caps and accessories: pages B-H-01...
Mounting tools: pages B-E-01...
Assembly instructions: page B-D-05
Crimp tools for contacts: pages B-B-01...
Crimp contacts: pages B-C-01...

We also deliver as a connector set. Connector with crimp insert - and the contacts are separate included. Please ask for P/N

Part Number	RC-	X	X	X	X	X	X	X	1	X	0	0	
coupling nut brass/ni	RC-	Here please fill in the first 7 digits of your desired connector insert (6-19 positions) from the page B-A-01 to page B-A-29											
red coupling nut	RCRD-												
yellow coupling nut	RCYE-												
green coupling nut	RCGN-												
blue coupling nut	RCBL-												



f.e. RC-xxxxxxx1700

open endbell without cable gland	endbell with double lever cable gland	endbell with standard fitting	endbell with IP 68 cable gland
0 PG 07 threaded endbell only	A PG 07 4-6 mm Ø	4 PG 07 4-6 mm Ø	H PG 07 3-7mm Ø
1 PG 09 threaded endbell only	B PG 09 6-10 mm Ø	5 PG 09 6-10 mm Ø	I PG 09 5-9mm Ø
2 PG 11 threaded endbell only	C PG 11 8-12 mm Ø	6 PG 11 8-12 mm Ø	K PG 11 6-10mm Ø
3 PG 13.5 threaded endbell only	D PG 13.5 10-14 mm Ø	7 PG 13.5 10-14 mm Ø	L PG 13.5 8-13mm Ø
	E PG 16 11-15 mm Ø with adaptor		M PG 16 (adaptor) 8-14mm Ø
	F M25 11-18 mm Ø with adaptor'		N M25 (adaptor) 11-18mm Ø

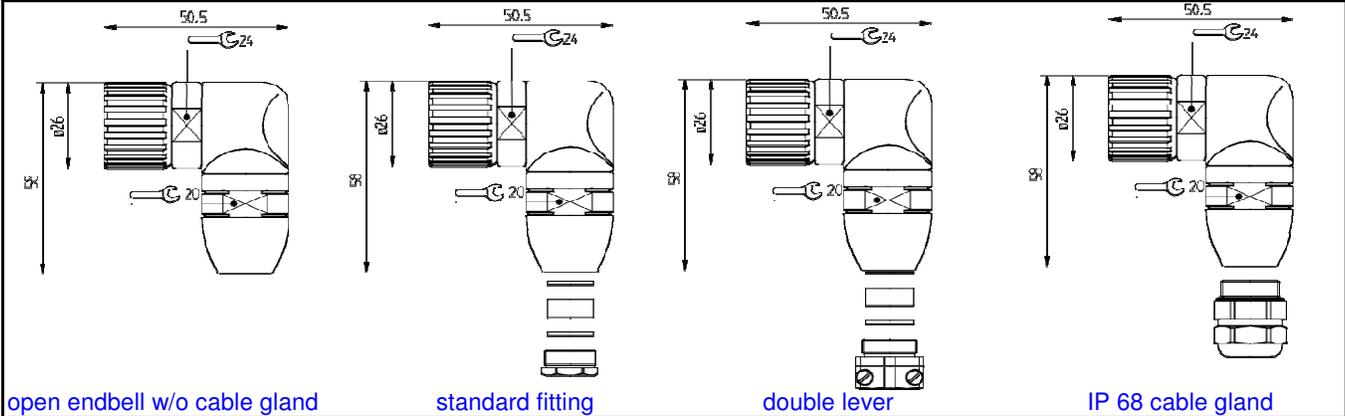


f.e. RC-xxxxxxx1L00

Non-shielded Cable Connectors M23 Series RC

fits all RC/UC Connectors with male outside thread

Shell style Z



open endbell w/o cable gland standard fitting double lever IP 68 cable gland

Caps and accessories: pages B-H-01...
Mounting tools: pages B-E-01...
Assembly instructions: page B-D-05
Crimp tools for contacts: pages B-B-01...
Crimp contacts: pages B-C-01...

We also deliver as a connector set. Connector with crimp insert - and the contacts are separate included. Please ask for P/N

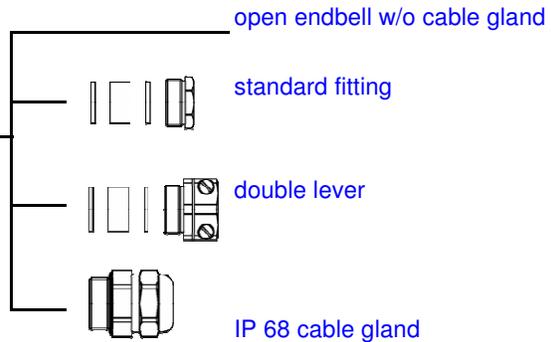
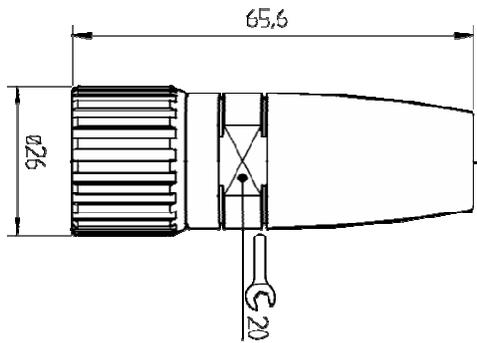
Part Number	RC-	X	X	X	X	X	X	X	Z	X	0	0	
coupling nut brass/ni	RC-	Here please fill in the first 7 digits of your desired connector insert (6-19 positions) from the page B-A-01 to page B-A-29											
red coupling nut	RCRD-												
yellow coupling nut	RCYE-												
green coupling nut	RCGN-												
blue coupling nut	RCBL-												



f.e. RC-xxxxxxxZ700

open endbell without cable gland	endbell with double lever cable gland	endbell with standard fitting	endbell with IP 68 cable gland
0 PG 07 threaded endbell only	A PG 07 4-6 mm Ø	4 PG 07 4-6 mm Ø	H PG 07 3-7mm Ø
1 PG 09 threaded endbell only	B PG 09 6-10 mm Ø		I PG 09 5-9mm Ø
2 PG 11 threaded endbell only	C PG 11 8-12 mm Ø		K PG 11 6-10mm Ø
3 PG 13.5 threaded endbell only	D PG 13.5 10-14 mm Ø	5 PG 09 6-10 mm Ø	L PG 13.5 8-13mm Ø
<p>f.e. RC-xxxxxxxZ300</p>	E PG 16 11-15 mm Ø with adaptor	6 PG 11 8-12 mm Ø	M PG 16 (adaptor) 8-14mm Ø
	F M25 11-18 mm Ø with adaptor'	7 PG 13.5 10-14 mm Ø	N M25 (adaptor) 11-18mm Ø

Non-shielded Cable Connectors M23 Series RC
fits all RC/UC Connectors with male outside thread
Shell style L



Caps and accessories: pages B-H-01...
Mounting tools: pages B-E-01...
Assembly instructions: page B-D-05
Crimp tools for contacts: pages B-B-01...
Crimp contacts: pages B-C-01...

We also deliver as a connector set.
 Connector with crimp insert - and
 the contacts are
 separate included.
 Please ask for P/N



Part Number	RC-	X	X	X	X	X	X	X	L	X	0	0
coupling nut brass/ni	RC-	Here please fill in the first 7 digits										
red coupling nut	RCRD-	of your desired connector insert										
yellow coupling nut	RCYE-	(6-19 positions) from										
green coupling nut	RCGN-	the page B-A-01										
blue coupling nut	RCBL-	to page B-A-29										



f.e. RC-xxxxxxxLL00

open endbell without cable gland	endbell with double lever cable gland	endbell with standard fitting	endbell with IP 68 cable gland
1 PG 09 threaded endbell only	B PG 09 6-10 mm Ø	5 PG 09 6 -10 mm Ø	I PG 09 5 -9mm Ø
2 PG 11 threaded endbell only	C PG 11 8-12 mm Ø		K PG 11 6 -10mm Ø
3 PG 13.5 threaded endbell only	D PG 13.5 10-14 mm Ø		L PG 13.5 8 -13mm Ø
	E PG 16 11-15 mm Ø with adaptor	6 PG 11 8 -12 mm Ø	M PG 16 (adaptor) 8 -14mm Ø
	F M25 11-18 mm Ø with adaptor'	7 PG 13.5 10 -14 mm Ø	N M25 (adaptor) 11 -18mm Ø

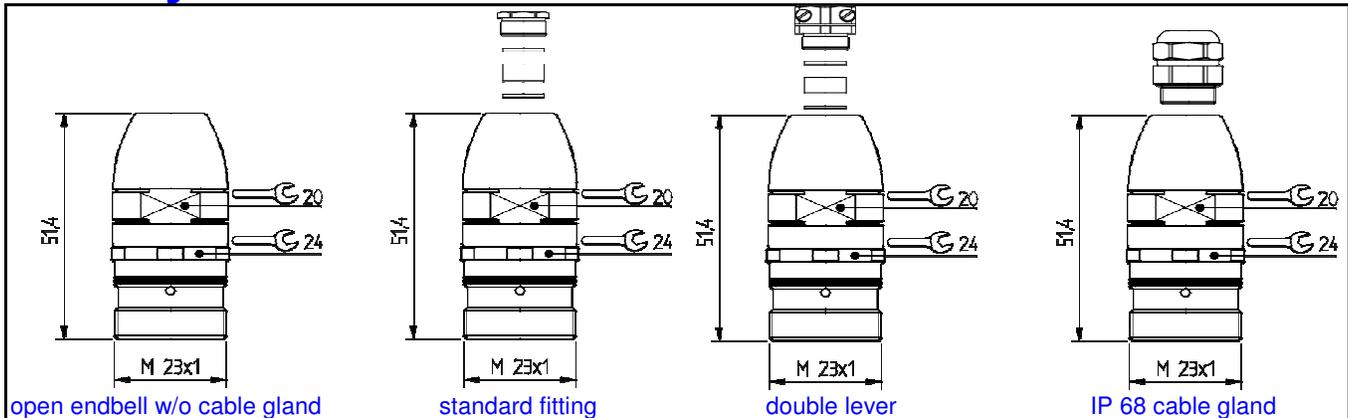


f.e. RC-xxxxxxxLD00

Non-shielded Cable Connectors M23 Series RC

fits all RC/UC Connectors with female coupling nut

Shell style 7



Caps and accessories: pages B-H-01... Mounting tools: pages B-E-01... Assembly instructions: page B-D-05 Crimp tools for contacts: pages B-B-01... Crimp contacts: pages B-C-01...	We also deliver as a connector set. Connector with crimp insert - and the contacts are separate included. Please ask for P/N 
---	--

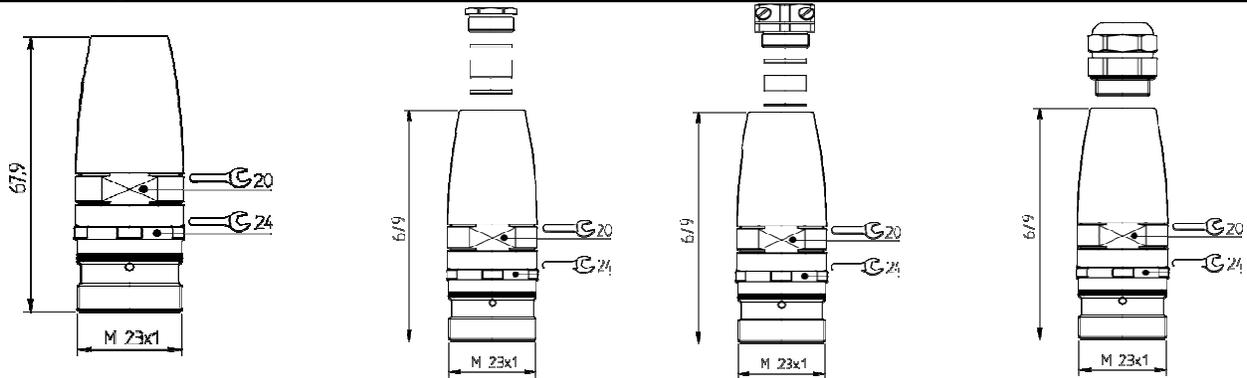
Part Number	RC-	X	X	X	X	X	X	X	7	X	0	0
with black O-ring with red O-ring with yellow O-ring with green O-ring with blue O-ring	RC-	Here please fill in the first 7 digits of your desired connector insert (6-19 positions) from the page B-A-01 to page B-A-29 									 f.e. RC-xxxxxxx7K00	
	RCRD-											
	RCYE-											
	RCGN-											
	RCBL-											

open endbell without cable gland	endbell with double lever cable gland	endbell with standard fitting	endbell with IP 68 cable gland
0 PG 07 threaded endbell only	A PG 07 4-6 mm Ø	4 PG 07 4-6 mm Ø	H PG 07 5-9mm Ø
1 PG 09 threaded endbell only	B PG 09 6-10 mm Ø	5 PG 09 6-10 mm Ø	I PG 09 3-7mm Ø
2 PG 11 threaded endbell only	C PG 11 8-12 mm Ø	6 PG 11 8-12 mm Ø	K PG 11 6-10mm Ø
3 PG 13.5 threaded endbell only	D PG 13.5 10-14 mm Ø	7 PG 13.5 10-14 mm Ø	L PG 13.5 8-13mm Ø
 f.e. RC-xxxxxxx7600	E PG 16 11-15 mm Ø with adaptor		M PG 16 (adaptor) 8-14mm Ø
	F M25 11-18 mm Ø with adaptor'		N M25 (adaptor) 11-18mm Ø

Non-shielded Cable Connectors M23 Series RC

fits all RC/UC Connectors with female coupling nut

Shell style J



open endbell w/o cable gland

standard fitting

double lever

IP 68 cable gland

Caps and accessories: pages B-H-01...
Mounting tools: pages B-E-01...
Assembly instructions: page B-D-05
Crimp tools for contacts: pages B-B-01...
Crimp contacts: pages B-C-01...

We also deliver as a connector set.
 Connector with crimp insert - and the contacts are separate included.
 Please ask for P/N

Part Number	RC-	X	X	X	X	X	X	X	J	X	0	0
with black O-ring	RC-	Here please fill in the first 7 digits of your desired connector insert (6-19 positions) from the page B-A-01 to page B-A-29										
with red O-ring	RCRD-											
with yellow O-ring	RCYE-											
with green O-ring	RCGN-											
with blue O-ring	RCBL-											



f.e. RC-xxxxxxxJE00

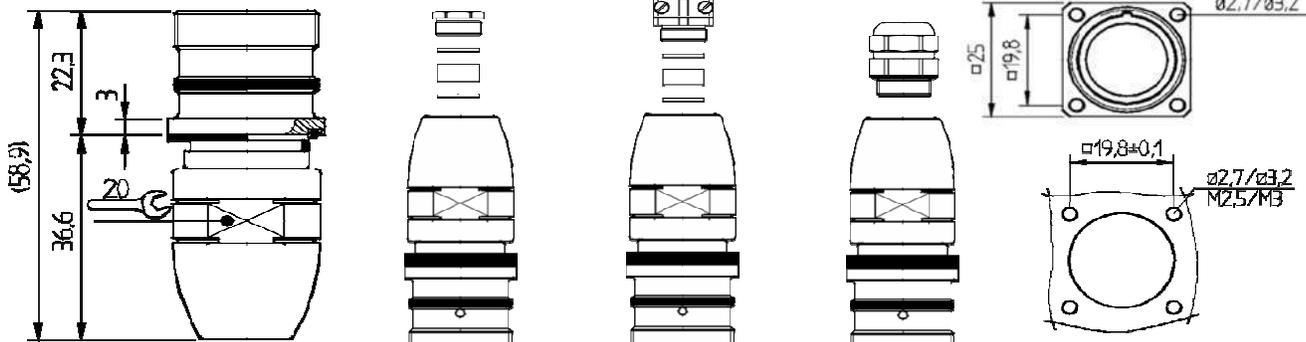
open endbell without cable gland	endbell with double lever cable gland	endbell with standard fitting	endbell with IP 68 cable gland
1 PG 09 threaded endbell only	B PG 09 6-10 mm Ø	5 PG 09 6 -10 mm Ø	I PG 09 5 -9mm Ø
2 PG 11 threaded endbell only	C PG 11 8-12 mm Ø	6 PG 11 8 -12 mm Ø	K PG 11 6 -10mm Ø
3 PG 13.5 threaded endbell only	D PG 13.5 10-14 mm Ø	7 PG 13.5 10 -14 mm Ø	L PG 13.5 8 -13mm Ø
	E PG 16 11-15 mm Ø with adaptor		M PG 16 (adaptor) 8 -14mm Ø
	F M25 11-18 mm Ø with adaptor'		N M25 (adaptor) 11 -18mm Ø



f.e. RC-xxxxxxxJK00



Non-shielded Cable Connectors M23 Series RC
fits all RC/UC Connectors with female coupling nut
Shell style 3 • front mount •



open endbell w/o cable gland

standard fitting

double lever

IP 68 cable gland

Caps and accessories: pages B-H-01...
Mounting tools: pages B-E-01...
Assembly instructions: page B-D-05
Crimp tools for contacts: pages B-B-01...
Crimp contacts: pages B-C-01...

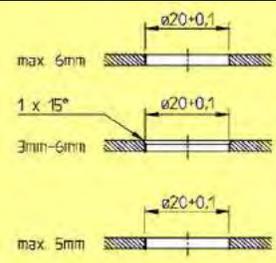
We also deliver as a connector set.
 Connector with crimp insert - and the contacts are separate included.
 Please ask for P/N

Part Number	RC-	X	X	X	X	X	X	X	3	X	X	X	
with black O-ring	RC-	Here please fill in the first 7 digits of your desired connector insert (6-19 positions) from the page B-A-01 to page B-A-29									Z A	gasket, 4 holes 2.7 mm Ø	
with red O-ring	RCRD-												
with yellow O-ring	RCYE-												
with green O-ring	RCGN-												
with blue O-ring	RCBL-												
											Z B	gasket 4 holes 3.2 mm Ø	
											Z C	O-ring radial, 4 holes 2.7 mm	
											Z D	O-ring radial, 4 holes 3.2 mm	
											Z E	O-ring axial, 4 holes 2.7 mm	
											Z F	O-ring axial, 4 holes 3.2 mm	

open endbell without cable gland	endbell with double lever cable gland	endbell with standard fitting	endbell with IP 68 cable gland
0 PG 07 threaded endbell only	A PG 07 4-6 mm Ø	4 PG 07 4-6 mm Ø	H PG 07 3-7mm Ø
1 PG 09 threaded endbell only	B PG 09 6-10 mm Ø	5 PG 09 6-10 mm Ø	I PG 09 5-9mm Ø
2 PG 11 threaded endbell only	C PG 11 8-12 mm Ø	6 PG 11 8-12 mm Ø	K PG 11 6-10mm Ø
3 PG 13.5 threaded endbell only	D PG 13.5 10-14 mm Ø	7 PG 13.5 10-14 mm Ø	L PG 13.5 8-13mm Ø
	E PG 16 11-15 mm Ø with adaptor		M PG 16 (adaptor) 8-14mm Ø
	F M25 11-18 mm Ø with adaptor		N M25 (adaptor) 11-18mm Ø



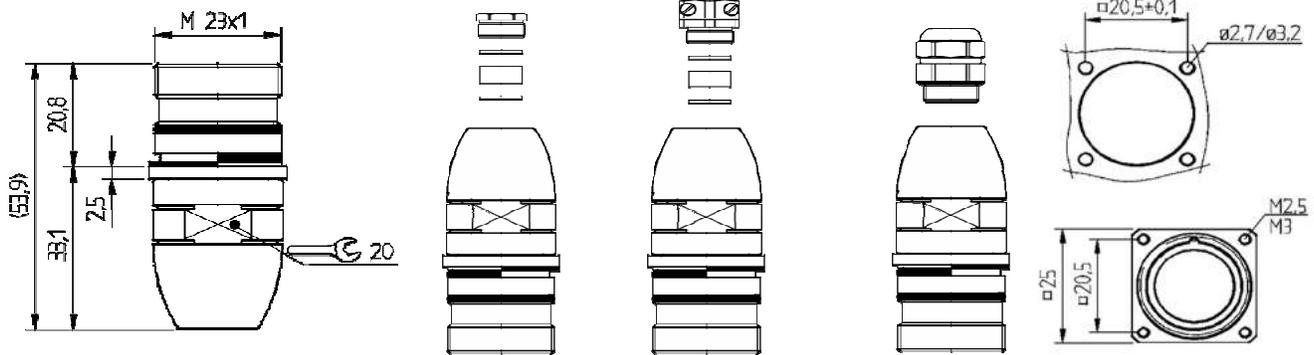
f.e. RC-xxxxxxx3LZF



O-ring axial
 O-ring radial
 Gasket



Non-shielded Cable Connectors M23 Series RC
fits all RC/UC Connectors with female coupling nut
Shell style U • rear mount •



open endbell w/o cable gland

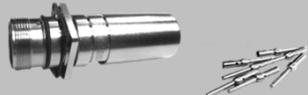
standard fitting

double lever

IP 68 cable gland

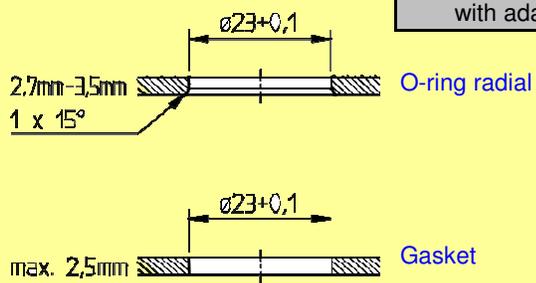
Caps and accessories: pages B-H-01...
Mounting tools: pages B-E-01...
Assembly instructions: page B-D-05
Crimp tools for contacts: pages B-B-01...
Crimp contacts: pages B-C-01...

We also deliver as a connector set.
 Connector with crimp insert - and the contacts are separate included.
 Please ask for P/N



Part Number	RC-	X	X	X	X	X	X	X	U	X	X	X	
with black O-ring	RC-	Here please fill in the first 7 digits of your desired connector insert (6-19 positions) from the page B-A-01 to page B-A-29									Z A	gasket, 4 threads M2.5	
with red O-ring	RCRD-										Z B	gasket, 4 threads M3	
with yellow O-ring	RCYE-										Z C	O-ring radial, 4 threads M2.5	
with green O-ring	RCGN-										Z D	O-ring radial, 4 threads M3	
with blue O-ring	RCBL-												

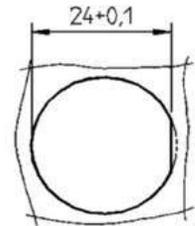
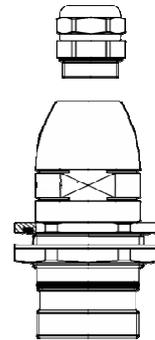
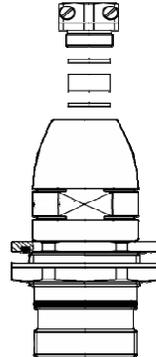
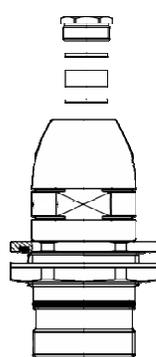
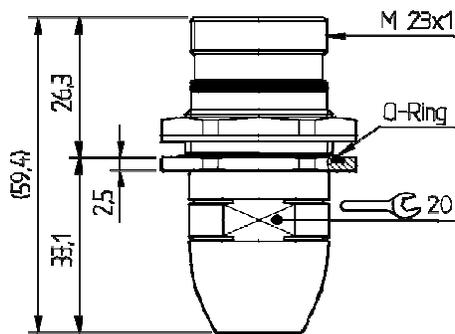
open endbell without cable gland	endbell with double lever cable gland	endbell with standard fitting	endbell with IP 68 cable gland
0 PG 07 threaded endbell only	A PG 07 4-6 mm Ø	4 PG 07 4-6 mm Ø	H PG 07 3-7mm Ø
1 PG 09 threaded endbell only	B PG 09 6-10 mm Ø	5 PG 09 6-10 mm Ø	I PG 09 5-9mm Ø
2 PG 11 threaded endbell only	C PG 11 8-12 mm Ø	6 PG 11 8-12 mm Ø	K PG 11 6-10mm Ø
3 PG 13.5 threaded endbell only	D PG 13.5 10-14 mm Ø	7 PG 13.5 10-14 mm Ø	L PG 13.5 8-13mm Ø
	E PG 16 11-15 mm Ø with adaptor		M PG 16 (adaptor) 8-14mm Ø
	F M25 11-18 mm Ø with adaptor		N M25 (adaptor) 11-18mm Ø



f.e. RC-xxxxxxxULZB



Non-shielded Cable Connectors M23 Series RC
fits all RC/UC Connectors with female coupling nut
Shell style G • rear mount •



open endbell w/o cable gland

standard fitting

double lever

IP 68 cable gland

Caps and accessories: pages B-H-01...
Mounting tools: pages B-E-01...
Assembly instructions: page B-D-05
Crimp tools for contacts: pages B-B-01...
Crimp contacts: pages B-C-01...

We also deliver as a connector set.
 Connector with crimp insert - and
 the contacts are
 separate included.
 Please ask for P/N

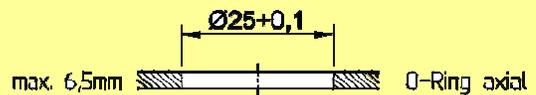


Part Number	RC-	X	X	X	X	X	X	X	G	X	0	0
with black washer/O-ring	RC-	Here please fill in the first 7 digits										
with red washer/O-ring	RCRD-	of your desired connector insert										
with yellow washer/O-ring	RCYE-	(6-19 positions) from										
with green washer/O-ring	RCGN-	the page B-A-01										
with blue washer/O-ring	RCBL-	to page B-A-29										

open endbell without cable gland	endbell with double lever cable gland	endbell with standard fitting	endbell with IP 68 cable gland
0 PG 07 threaded endbell only	A PG 07 4-6 mm Ø	4 PG 07 4-6 mm Ø	H PG 07 3-7mm Ø
1 PG 09 threaded endbell only	B PG 09 6-10 mm Ø	5 PG 09 6-10 mm Ø	I PG 09 5-9mm Ø
2 PG 11 threaded endbell only	C PG 11 8-12 mm Ø	6 PG 11 8-12 mm Ø	K PG 11 6-10mm Ø
3 PG 13.5 threaded endbell only	D PG 13.5 10-14 mm Ø	7 PG 13.5 10-14 mm Ø	L PG 13.5 8-13mm Ø
	E PG 16 11-15 mm Ø with adaptor		M PG 16 (adaptor) 8-14mm Ø
	F M25 11-18 mm Ø with adaptor'		N M25 (adaptor) 11-18mm Ø

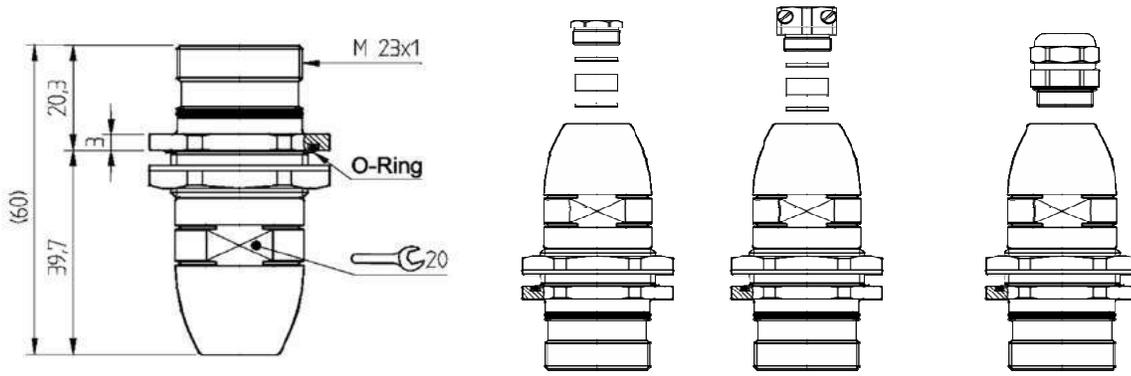


f.e. RC-xxxxxxxGD00





Non-shielded Cable Connectors M23 Series RC
fits all RC/UC Connectors with female coupling nut
Shell style P • front mount •



open endbell w/o cable gland

standard fitting

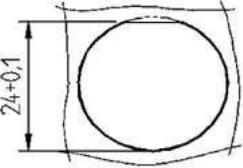
double lever

IP 68 cable gland

Caps and accessories: pages B-H-01...
Mounting tools: pages B-E-01...
Assembly instructions: page B-D-05
Crimp tools for contacts: pages B-B-01...
Crimp contacts: pages B-C-01...

We also deliver as a connector set.
 Connector with crimp insert - and the contacts are separate included.
 Please ask for P/N

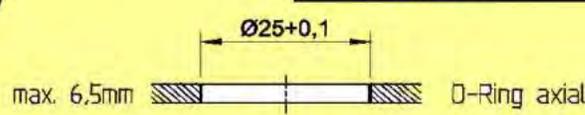
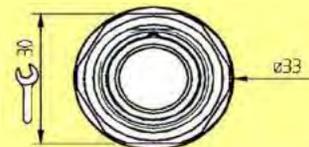


Part Number	RC-	X	X	X	X	X	X	X	P	X	0	0
with black O-ring	RC-	Here please fill in the first 7 digits of your desired connector insert (6-19 positions) from the page B-A-01										
with red O-ring	RCRD-	to page B-A-29										
with yellow O-ring	RCYE-											
with green O-ring	RCGN-											
with blue O-ring	RCBL-											

open endbell without cable gland	endbell with double lever cable gland	endbell with standard fitting	endbell with IP 68 cable gland
0 PG 07 threaded endbell only	A PG 07 4-6 mm Ø	4 PG 07 4-6 mm Ø	H PG 07 3-7mm Ø
1 PG 09 threaded endbell only	B PG 09 6-10 mm Ø	5 PG 09 6-10 mm Ø	I PG 09 5-9mm Ø
2 PG 11 threaded endbell only	C PG 11 8-12 mm Ø	6 PG 11 8-12 mm Ø	K PG 11 6-10mm Ø
3 PG 13.5 threaded endbell only	D PG 13.5 10-14 mm Ø	7 PG 13.5 10-14 mm Ø	L PG 13.5 8-13mm Ø
	E PG 16 11-15 mm Ø with adaptor		M PG 16 (adaptor) 8-14mm Ø
	F M25 11-18 mm Ø with adaptor		N M25 (adaptor) 11-18mm Ø

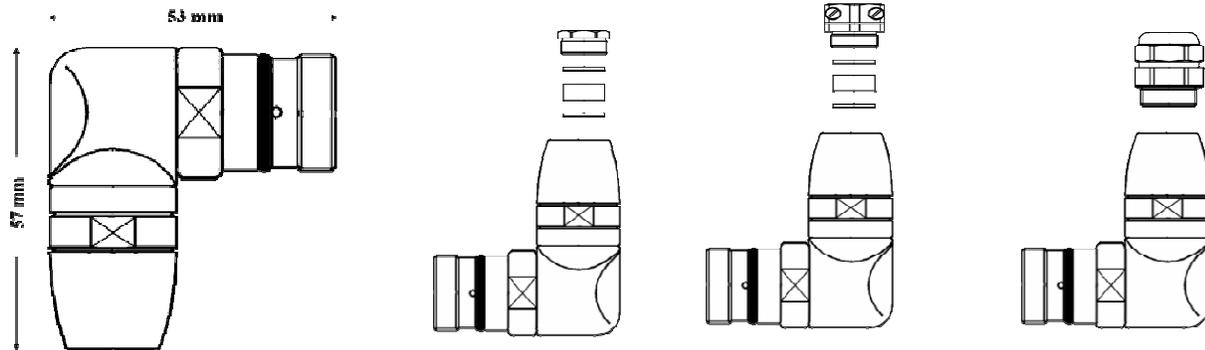


f.e. RC-xxxxxxxPD00





Non-shielded Cable Connectors M23 Series RC
fits all RC/UC Connectors with female coupling nut
Shell style 7W angled



open endbell w/o cable gland

standard fitting

double lever

IP 68 cable gland

Caps and accessories: pages B-H-01...
Mounting tools: pages B-E-01...
Assembly instructions: page B-D-05
Crimp tools for contacts: pages B-B-01...
Crimp contacts: pages B-C-01...

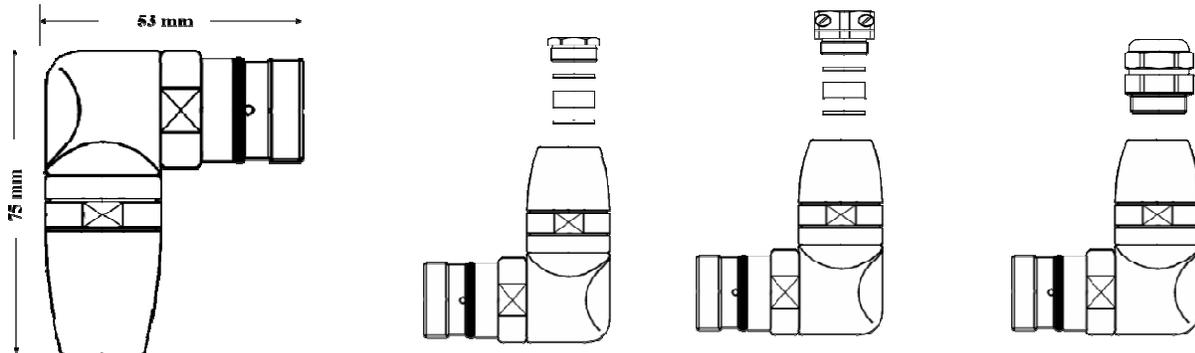
We also deliver as a connector set.
 Connector with crimp insert - and the contacts are separate included.
 Please ask for P/N

Part Number	RC-	X	X	X	X	X	X	X	7	W	X	X	
with black O-ring	RC-	Here please fill in the first 7 digits of your desired connector insert (6-19 positions) from the page B-A-01 to page B-A-29											
with red O-ring	RCRD-												
with yellow O-ring	RCYE-												
with green O-ring	RCGN-												
with blue O-ring	RCBL-												

f.e. RC-xxxxxxx7WP3

open endbell without cable gland	endbell with double lever cable gland	endbell with standard fitting	endbell with IP 68 cable gland
07 PG 07 threaded endbell only	0A PG 07 4-6 mm Ø	S1 PG 07 4-6 mm Ø	P1 PG 07 3-7mm Ø
00 PG 09 threaded endbell only	0B PG 09 6-10 mm Ø		P2 PG 09 5-9mm Ø
11 PG 11 threaded endbell only	0C PG 11 8-12 mm Ø		P3 PG 11 6-10mm Ø
13 PG 13.5 threaded endbell only	0D PG 13.5 10-14 mm Ø	S2 PG 09 6-10 mm Ø	P4 PG 13.5 8-13mm Ø
 f.e. RC-xxxxxxx7W0C	0E PG 16 11-15 mm Ø with adaptor	S3 PG 11 8-12 mm Ø	P5 PG 16 (adaptor) 8-14mm Ø
	0F M25 11-18 mm Ø with adaptor'	S4 PG 13.5 10-14 mm Ø	P6 M25 (adaptor) 11-18mm Ø

Non-shielded Cable Connectors M23 Series RC
fits all RC/UC Connectors with female coupling nut
Shell style JW angled, long version



open endbell w/o cable gland

standard fitting

double lever

IP 68 cable gland

Caps and accessories: pages B-H-01...
Mounting tools: pages B-E-01...
Assembly instructions: page B-D-05
Crimp tools for contacts: pages B-B-01...
Crimp contacts: pages B-C-01...

We also deliver as a connector set.
 Connector with crimp insert - and the contacts are separate included.
 Please ask for P/N

Part Number	RC-	X	X	X	X	X	X	X	J	W	X	X	
with black O-ring	RC-	Here please fill in the first 7 digits of your desired connector insert (6-19 positions) from the page B-A-01 to page B-A-29											
with red O-ring	RCRD-												
with yellow O-ring	RCYE-												
with green O-ring	RCGN-												
with blue O-ring	RCBL-												

f.e. RC-xxxxxxxJWS4

open endbell without cable gland	endbell with double lever cable gland	endbell with standard fitting	endbell with IP 68 cable gland
09 PG 09 threaded endbell only	0B PG 09 6-10 mm Ø		
11 PG 11 threaded endbell only	0C PG 11 8-12 mm Ø		P2 PG 09 5 -9mm Ø
13 PG 13.5 threaded endbell only	0D PG 13.5 10-14 mm Ø	S2 PG 09 6 -10 mm Ø	P3 PG 11 6 -10mm Ø
 f.e. RC-xxxxxxxJW0D	0E PG 16 11-15 mm Ø with adaptor	S3 PG 11 8 -12 mm Ø	P4 PG 13.5 8 -13mm Ø
	0F M25 11-18 mm Ø with adaptor'	S4 PG 13.5 10 -14 mm Ø	P5 PG 16 (adaptor) 8 -14mm Ø
			P6 M25 (adaptor) 11 -18mm Ø



Member of the Phoenix Contact Group

U C Series

Shielded Connectors M23
The shielded and robust standard version

Connectors M23 Series UC

Technical Data



Shell material

Machined components: Copper-Zinc alloy (CuZn)
 die cast components: Zinc (GD-Zn)
 Shell plating: Nickel (Ni) plated
 Cable entry: max. 18 mm



Insulator

Connector inserts: Thermoplastic polyester (PBT), Polyamid (PA66),

Contacts

Contact material: Copper-Zinc alloy (CuZn)
 Contact plating: Nickel (Ni) with gold (Au) passivated
 Contact termination: Solder cup, crimp type, screw type



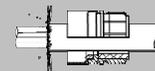
Sealing

Sealing rings: Fluor rubber (FPM)
 Gaskets: Fluor rubber (FPM), or Perbunan (NBR) stiffened gaskets

Temperature

Temperature (long term) Celsius: -40 °C up to +125°C
 Temperature (long term) Fahrenheit: - 40 °F up to + 257 °F

All connectors with universal shielding material for different jacket and shield diameters.



Mating

Female coupling nuts: M23 screw locking
 Male receptacles: M23 screw locking
 Mating cycles: Standard min. 50

Protection

Protection class : IP 67 (mated) depends on which cable gland is used

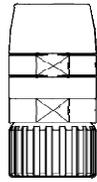
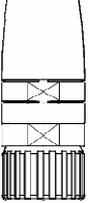
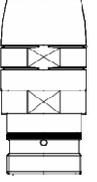
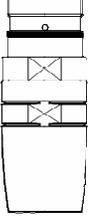
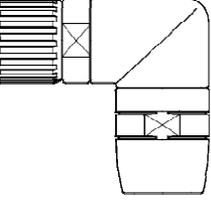
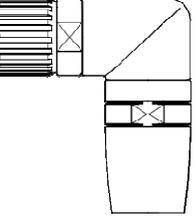
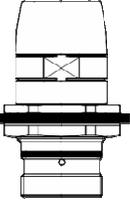
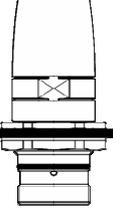
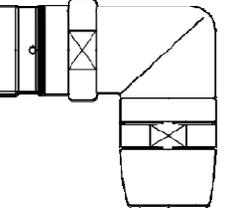


Number of positions	6,7	9 (8+1)	9 (6+3)	12	16	17	19 (16+3)
Number of contacts	6,7	8 1	6 3	12	16	17	16 3
Contact dia. (mm Ø)	2	1 2	1 2	1	1	1	1 1.5
Rated current at 25°C (A)	20	8 20	8 20	8	8	8	8 10
Rated voltage (V)	250	150	150	150	150	150	150
Test voltage (Volt AC)	2,500	1,500	1,500	1,500	1,500	1,500	1,500
Overvoltage category DIN EN 61984-2001	II	II	II	II	II	II	II
Insulation resistance (Ω)	≥10 ¹⁶	≥10 ¹⁶	≥10 ¹²	≥10^{12}	≥10^{12}	≥10^{12}	≥10^{12}
Contact resistance (mΩ)	≤3	≤3	≤3	≤3	≤3	≤3	≤3
Pollution degree acc. to IEC 664-1	2 (3 ¹)						

Shielded Cable Connectors M23 Series UC

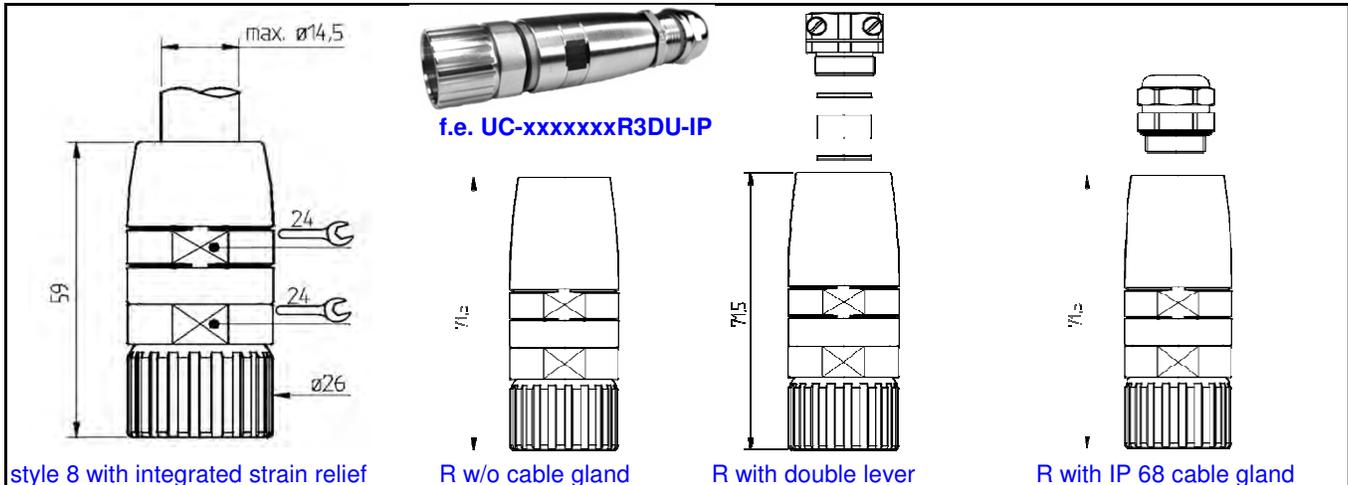
Shell styles 8, R, 9, F, T, N, Q, 9W



<p>UC-xxxxxxx8xxx page C-G-04</p>	<p>UC-xxxxxxxRxxx page C-G-04</p>	<p>UC-xxxxxxx9xxx page C-G-05</p>
<p>cable connector straight with female coupling nut cable entry max 14.5 mm universal shielding material</p>	<p>cable connector straight with female coupling nut cable entry max 18 mm universal shielding material</p>	<p>cable connector straight with male thread cable entry max. 14.5 mm universal shielding material</p>
 <p>style 8</p>	 <p>style R</p>	 <p>style 9</p>
<p>UC-xxxxxxxFxxx page C-G-05</p>	<p>UC-xxxxxxxTxxx page C-G-06</p>	<p>UC-xxxxxxxNxxx page C-G-06</p>
<p>cable connector straight with male thread cable entry max. 18 mm universal shielding material</p>	<p>cable connector right angled with female coupling nut cable entry max. 14.5mm universal shielding material</p>	<p>cable connector right angled with female coupling nut cable entry max. 18mm universal shielding material</p>
 <p>style F</p>	 <p>style T</p>	 <p>style N</p>
<p>UC-xxxxxxxQxxx page C-G-07</p>	<p>UC-xxxxxxxQxxx page C-G-07</p>	<p>UC-xxxxxxx9WDU page C-G-08</p>
<p>cable connector straight with male thread cable entry max. 14.5 mm universal shielding material rear mount, round flange</p>	<p>cable connector straight with male thread cable entry max. 18 mm universal shielding material rear mount, round flange</p>	<p>cable connector right angled with male thread cable entry max. 14.5 mm universal shielding material</p>
 <p>style Q</p>	 <p>style Q3/QN</p>	 <p>style 9WDU</p>



Shielded Cable Connector M23 Series UC
fits all UC/RC cable/bulkhead connectors with male thread
Shell style 8/R



Caps and accessories: pages B-H-01...
Mounting tools: pages B-E-01...
Assembly instructions: page B-D-07
Crimp tools for contacts: pages B-B-01...
Crimp contacts: pages B-C-01...

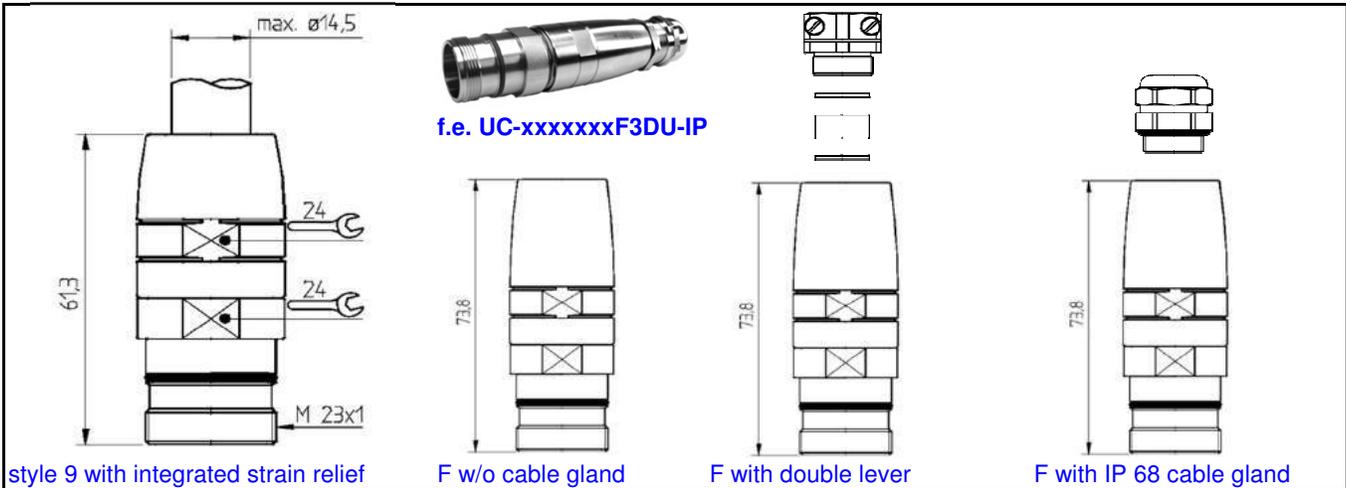
We also deliver as a connector set.
 Connector with crimp insert - and the contacts are separate included.
 Please ask for P/N

Part Number	UC-	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	
with brass/ni coupling	UC-	Here please fill in the first 7 digits															
with red coupling nut	UCRD-	of your desired connector insert															
with yellow coupling nut	UCYE-	(6-19 positions) from															
with green coupling nut	UCGN-	the page B-A-01															
with blue coupling nut	UCBL-	to page B-A-29															
Connector with integrated strain relief and univ. seal ring 3-14.5 mm Ø									8	0	D	U					
Connector without cable inlet for terminations (dummy)									8	2	N	N					
Connectors with integrated strain relief, universal seal ring and.....																	
endbell without cable gland, open threading PG 13.5									R	3	D	U					
endbell with double lever cable gland PG 13.5 (10-14 mm)									R	3	D	U	-	D	L		
endbell with IP 68 cable gland PG 13.5 (8-13 mm)									R	3	D	U	-	I	P		
endbell without cable gland, open threading PG 16									R	N	D	U					
endbell with double lever cable gland PG 16 (11-15 mm)									R	N	D	U	-	D	L		
endbell with IP 68 cable gland PG 16 (8-14 mm)									R	N	D	U	-	I	P		





Shielded Cable Connector M23 Series UC
fits all UC/RC cable connectors with female coupling nut
Shell style 9/F



Caps and accessories: pages B-H-01...
Mounting tools: pages B-E-01...
Assembly instructions: page B-D-07
Crimp tools for contacts: pages B-B-01...
Crimp contacts: pages B-C-01...

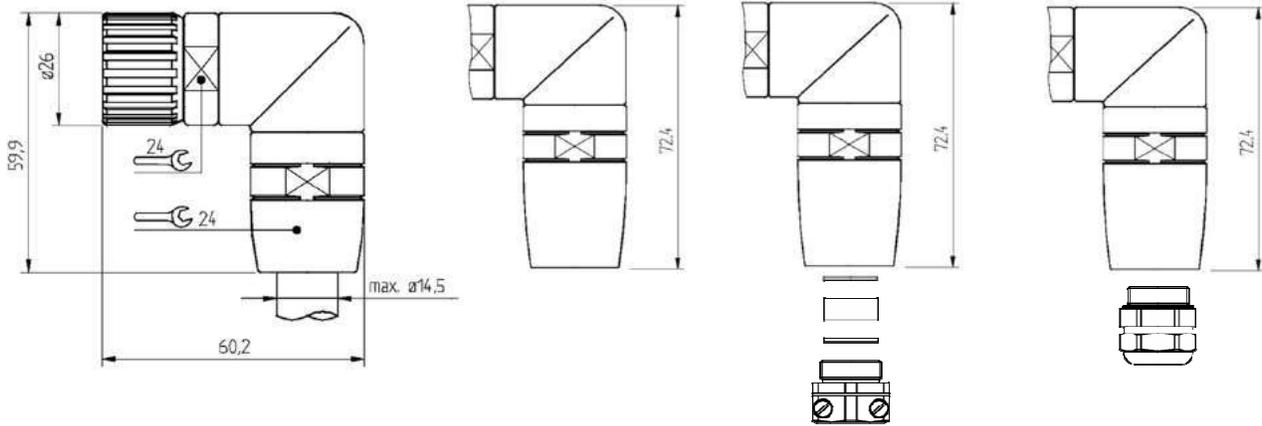
We also deliver as a connector set.
 Connector with crimp insert - and
 the contacts are separate included.
 Please ask for P/N

Part Number	UC-	X	X	X	X	X	X	X	X	X	X	X	-	X	X	
with black O-ring	UC-	Here please fill in the first 7 digits														
with red O-ring	UCRD-	of your desired connector insert														
with yellow O-ring	UCYE-	(6-19 positions) from														
with green O-ring	UCGN-	the page B-A-01														
with blue O-ring	UCBL-	to page B-A-29														
Connector with integrated strain relief and univ. seal ring 3-14.5 mm Ø									9	0	D	U				
Connector without cable inlet for terminations (dummy)									9	2	N	N				
Connectors with integrated strain relief, universal seal ring and.....																
endbell without cable gland, open threading PG 13.5									F	3	D	U				
endbell with double lever cable gland PG 13.5 (10-14 mm)									F	3	D	U	-	D	L	
endbell with IP 68 cable gland PG 13.5 (8-13 mm)									F	3	D	U	-	I	P	
endbell without cable gland, open threading PG 16									F	N	D	U				
endbell with double lever cable gland PG 16 (11-15 mm)									F	N	D	U	-	D	L	
endbell with IP 68 cable gland PG 16 (8-14 mm)									F	N	D	U	-	I	P	





Shielded Cable Connector M23 Series UC
fits all RC bulkhead connectors with male thread
Shell style T/N



style T with integrated strain relief

N w/o cable gland

N with double lever

N with IP 68 cable gland

Caps and accessories: pages B-H-01...
Mounting tools: pages B-E-01...
Assembly instructions: page B-D-07
Crimp tools for contacts: pages B-B-01...
Crimp contacts: pages B-C-01...

We also deliver as a connector set.
 Connector with crimp insert - and the contacts are separate included.
 Please ask for P/N

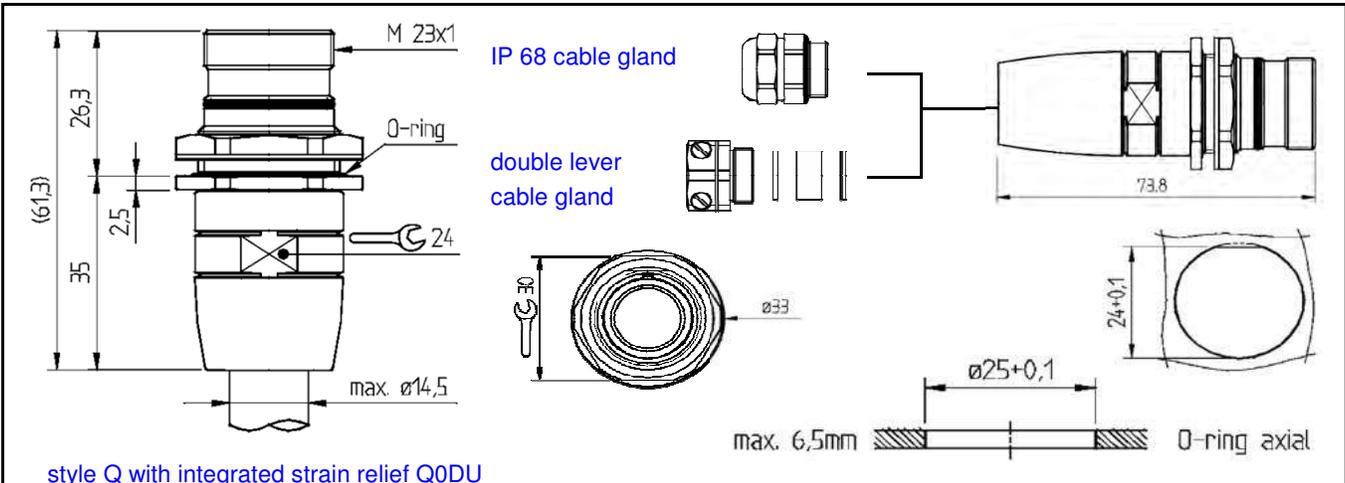


Part Number	UC-	X	X	X	X	X	X	X	X	X	X	X	-	X	X	
with brass/ni coupling	UC-	Here please fill in the first 7 digits														
with red coupling nut	UCRD-	of your desired connector insert														
with yellow coupling nut	UCYE-	(6-19 positions) from														
with green coupling nut	UCGN-	the page B-A-01														
with blue coupling nut	UCBL-	to page B-A-29														
Connector with integrated strain relief and univ. seal ring 3-14.5 mm Ø									T	0	D	U				
Connector without cable inlet for terminations (dummy)									T	2	N	N				
Connectors with integrated strain relief, universal seal ring and.....																
endbell without cable gland, open threading PG 13.5									N	3	D	U				
endbell with double lever cable gland PG 13.5 (10-14 mm)									N	3	D	U	-	D	L	
endbell with IP 68 cable gland PG 13.5 (8-13 mm)									N	3	D	U	-	I	P	
endbell without cable gland, open threading PG 16									N	N	D	U				
endbell with double lever cable gland PG 16 (11-15 mm)									N	N	D	U	-	D	L	
endbell with IP 68 cable gland PG 16 (8-14 mm)									N	N	D	U	-	I	P	





Shielded Cable Connector M23 Series UC
fits all RC/UC cable connectors with female coupling nut
Shell style Q



style Q with integrated strain relief Q0DU

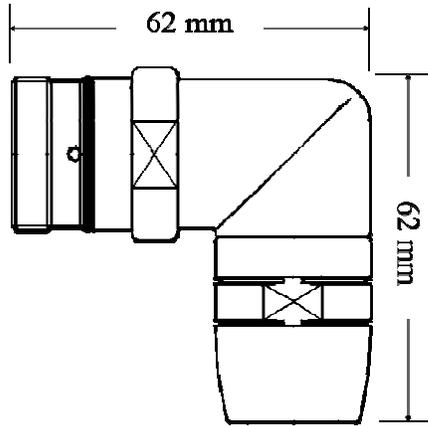
Caps and accessories: pages B-H-01...
Mounting tools: pages B-E-01...
Assembly instructions: page B-D-07
Crimp tools for contacts: pages B-B-01...
Crimp contacts: pages B-C-01...

We also deliver as a connector set.
 Connector with crimp insert - and the contacts are separate included.
 Please ask for P/N

Part Number	UC-	X	X	X	X	X	X	X	X	X	X	X	-	X	X	
with brass washer/black O-ring	UC-	Here please fill in the first 7 digits														
with red washer/O-ring	UCRD-	of your desired connector insert														
with yellow washer/O-ring	UCYE-	(6-19 positions) from														
with green washer/O-ring	UCGN-	the page B-A-01														
with blue washer/O-ring	UCBL-	to page B-A-29														
Connector with integrated strain relief and univ. seal ring 3-14.5 mm Ø																Q 0 D U
Connectors with integrated strain relief, universal seal ring and.....																
endbell without cable gland, open threading PG 13.5																Q 3 D U
endbell with double lever cable gland PG 13.5 (10-14 mm)																Q 3 D U - D L
endbell with IP 68 cable gland PG 13.5 (8-13 mm)																Q 3 D U - I P
endbell without cable gland, open threading PG 16																Q N D U
endbell with double lever cable gland PG 16 (11-15 mm)																Q N D U - D L
endbell with IP 68 cable gland PG 16 (8-14 mm)																Q N D U - I P



Shielded Cable Connector M23 Series UC
fits all RC/UC connectors with female coupling nut
Shell style 9WDU



for cable diameter
7.7 to 14.5 mm

Caps and accessories: pages B-H-01...
Mounting tools: pages B-E-01...
Assembly instructions: page B-D-07
Crimp tools for contacts: pages B-B-01...
Crimp contacts: pages B-C-01...

We also deliver as a connector set.
 Connector with crimp insert - and
 the contacts are separate included.
 Please ask for P/N



Part Number	UC-	X	X	X	X	X	X	X	9	W	D	U	
with black O-ring	UC-	Here please fill in the first 7 digits											
with red O-ring	UCRD-	of your desired connector insert											
with yellow O-ring	UCYE-	(6-19 positions) from											
with green O-ring	UCGN-	the page B-A-01											
with blue O-ring	UCBL-	to page B-A-29											





Member of the Phoenix Contact Group

S S R Series

**unshielded Connectors M23
the stainless steel program**

Connectors M23 Series SSR

Technical Data



Shell material

Machined components: Stainless Steel



Cable entry: max. 19 mm

Insulator

Connector inserts: Thermoplastic polyester (PBT), Polyamid (PA66),

Contacts

Contact material: Copper-Zinc alloy (CuZn)
 Contact plating: Nickel (Ni) with gold (Au) passivated
 Contact termination: Solder cup, crimp type, screw type, dip solder

Sealing

Sealing rings: FKM viton
 Gaskets: FKM viton



Temperature

Temperature (long term) Celsius: - 40 °C up to +125°C
 Temperature (long term) Fahrenheit: - 40 °F up to + 257 °F

Mating

Female coupling nuts: M23 screw locking
 Male receptacles: M23 screw locking
 Mating cycles: Standard min. 50



Protection

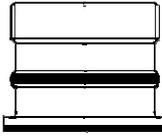
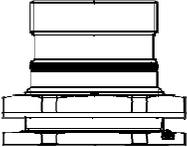
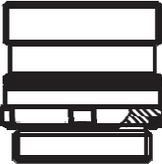
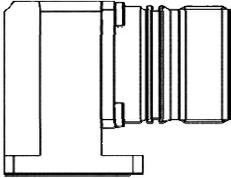
Protection class : IP 67 (mated) depends on which cable gland is used

Number of positions	6,7	9 (8+1)	9 (6+3)	12	16	17	19 (16+3)
Number of contacts	6,7	8 1	6 3	12	16	17	16 3
Contact dia. (mm Ø)	2	1 2	1 2	1	1	1	1 1.5
Rated current at 25°C (A)	20	8 20	8 20	8	8	8	8 10
Rated voltage (V)	250	150	150	150	150	150	150
Test voltage (Volt AC)	2,500	1,500	1,500	1,500	1,500	1,500	1,500
Overvoltage category DIN EN 61984-2001	II	II	II	II	II	II	II
Insulation resistance (Ω)	≥10 ¹⁶	≥10 ¹⁶	≥10 ¹²	≥10^{12}	≥10^{12}	≥10^{12}	≥10^{12}
Contact resistance (mΩ)	≤3	≤3	≤3	≤3	≤3	≤3	≤3
Pollution degree acc. to IEC 664-1	2 (3 ¹)						

stainless steel



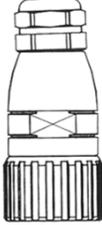
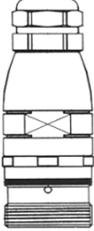
**Bulkhead Connectors M23 Series SSR
Shell styles 2, H, 6, 6-USA, RA**

<p>SSR-xxxxxxx2300 page C-H-05</p>	<p>SSR-xxxxxxxH000 page C-H-06</p>	<p>SSR-xxxxxxx6x00 page C-H-07</p>
<p>front mount, straight square flange, gasket flange with holes male thread M 23</p>	<p>rear mount, straight round flange, O-ring hex nut from the front male thread M 23</p>	<p>front mount, straight round flange, gasket - O-ring and/or lock nut from the back male thread M 23</p>
<p></p> <p>style 23</p>	<p></p> <p>style H0</p>	<p></p> <p>style 6</p>
<p>SSR-xxxxxxx6x00 page C-H-08</p>	<p>SSR-xxxxxxxRA00 page C-H-09</p>	
<p>front mount, straight round flange, gasket lock nut from the back male thread M 23</p>	<p>front mount, right angled square flange, gasket flange with holes male thread M 23</p>	
<p></p> <p>style 6 USA flange</p>	<p></p> <p>style RA</p>	

stainless steel



Cable Connectors M23 Series SSR
Shell styles 1, 7

SSR-xxxxxxx1xxx page C-H-15	SSR-xxxxxxx7xxx page C-H-16	
Cable connector, straight with female coupling nut cable entry max. 19 mm unshielded	cable connector, straight with male thread cable entry max. 19 mm unshielded	
 <p>style 1</p>	 <p>style 7</p>	

Stainless Steel



Bulkhead Connectors M23 Series SSR

fits all UC/RC/SSR Connectors with female coupling nut

Shell style 2 • front mount receptacle •

<p>mounting dimensions</p> <p>$\square 19,8 \pm 0,1$</p>	<p>connector dimensions</p> <p>$\square 25$ $\square 19,8$</p> <p>1 21,3 1,5</p> <p>M 23</p> <p>Flat gasket</p>
<p>mounting hole</p> <p>$\varnothing 20 \pm 0,1$</p>	<p>We also deliver as a connector set. Connector with crimp insert - and the contacts are separate included. Please ask for P/N</p>
<p>Caps and accessories: pages B-H-01... Mounting tools: pages B-E-01... Assembly instructions: page B-D-03 Crimp tools for contacts: pages B-B-01... Crimp contacts: pages B-C-01...</p>	

Part Number	SSR-	X	X	X	X	X	X	X	2	3	0	0
-------------	-------------	---	---	---	---	---	---	---	----------	----------	----------	----------

with black O-ring	SSR-	Here please fill in the first 7 digits of your desired connector insert (6-19 positions) from page B-A-01 to page B-A-29
with red O-ring	SSRR-	
with yellow O-ring	SSRY-	
with green O-ring	SSRG-	
with blue O-ring	SSRB-	



Stainless Steel

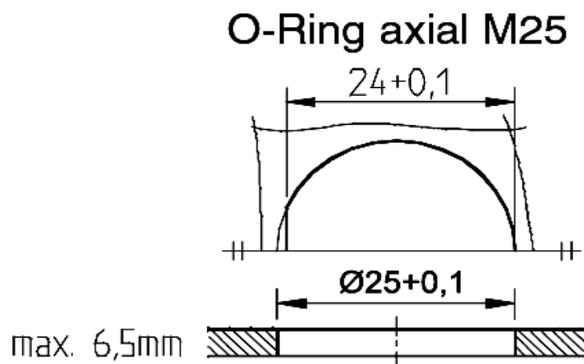


Bulkhead Connectors M23 Series SSR

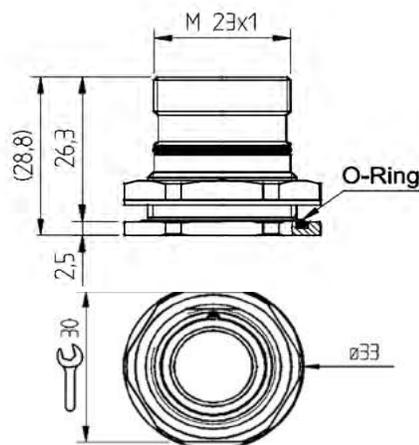
fits all UC/RC/SSR Connectors with female coupling nut

Shell style H • rear mount receptacle •

mounting dimensions



connector dimensions



include washer and nut

- Caps and accessories: pages B-H-01...
- Mounting tools: pages B-E-01...
- Assembly instructions: page B-D-03
- Crimp tools for contacts: pages B-B-01...
- Crimp contacts: pages B-C-01...

We also deliver as a connector set.
Connector with crimp insert - and
the contacts are separate included.
Please ask for P/N



Part Number	SSR-	X	X	X	X	X	X	X	H	O	O	O
-------------	------	---	---	---	---	---	---	---	---	---	---	---

- with black O-ring
- with red O-ring/washer
- with yellow O-ring/washer
- with green O-ring/washer
- with blue O-ring/washer

- SSR-
- SSRR-
- SSRY-
- SSRG-
- SSRB-

Here please fill in the first 7 digits of your desired connector insert (6-19 positions) from page B-A-01 to page B-A-29



Stainless Steel



Bulkhead Connectors M23 Series SSR

fits all UC/RC/SSR Connectors with female coupling nut

Shell style 6 • front mount receptacle •

<p style="text-align: center;">mounting dimensions</p> <p> max. 3,5mm Gasket max. 4,5mm O-Ring </p>	<p style="text-align: center;">connector dimensions</p>
<p> Caps and accessories: pages B-H-01... Mounting tools: pages B-E-01... Assembly instructions: page B-D-03 Crimp tools for contacts: pages B-B-01... Crimp contacts: pages B-C-01... </p>	<p>We also deliver as a connector set. Connector with crimp insert - and the contacts are separate included. Please ask for P/N</p>

Part Number	SSR-	X	X	X	X	X	X	X	6	X	X	X		
with black O-ring	SSR-	Here please fill in the first 7 digits of your desired connector insert (6-19 positions) from page B-A-01 to page B-A-29										0 S R M20, 6 mm thread, seal ring		
with red O-ring	SSRR-											0 W W same, with washer		
with yellow O-ring	SSRY-											0 0 0 same, with washer and nut		
with green O-ring	SSRG-											R S R M20, 10 mm thread, seal ring		
with blue O-ring	SSRB-											R W W same, with washer		
		R 0 0 same, with washer and nut												



f.e. SSR-xxxxxxx6R00

Stainless Steel



Bulkhead Connectors M23 Series SSR

fits all UC/RC/SSR Connectors with female coupling nut

Shell style RA • front mount receptacle •

<p style="text-align: center;">mounting dimensions</p>	<p style="text-align: center;">connector dimensions</p> <p style="text-align: center;">Connector with O-ring and gasket</p>
<p>Caps and accessories: pages B-H-01...</p> <p>Mounting tools: pages B-E-01...</p> <p>Assembly instructions: page B-D-03</p> <p>Crimp tools for contacts: pages B-B-01...</p> <p>Crimp contacts: pages B-C-01...</p>	<p>We also deliver as a connector set. Connector with crimp insert - and the contacts are separate included. Please ask for P/N</p>

Part Number	SSR-	X	X	X	X	X	X	X	R	A	X	X				
with black O-ring	SSR-	Here please fill in the first 7 digits of your desired connector insert (6-19 positions) from page B-A-01 to page B-A-29											0	0	with 4 holes 2.7 mm Ø	
with red O-ring	SSRR-												0	1	with 4 holes 3.2 mm Ø	
with yellow O-ring	SSRY-															
with green O-ring	SSRG-															
with blue O-ring	SSRB-															

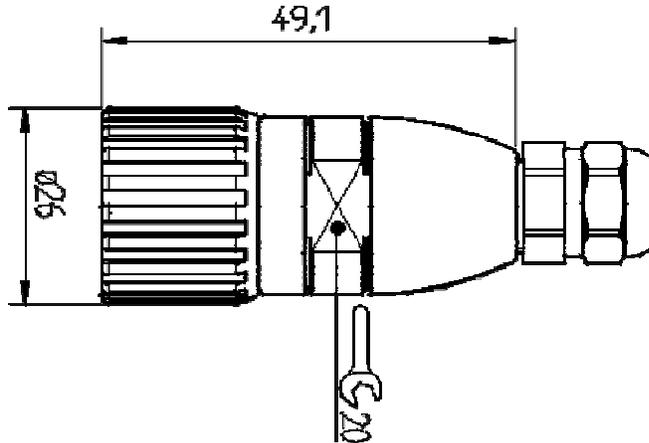


Stainless Steel



Non shielded Cable Connectors M23 Series SSR
fits all UC/RC/SSR Connectors with male thread

Shell style 1



Caps and accessories: pages B-H-01...
 Mounting tools: pages B-E-01...
 Assembly instructions: page B-D-05
 Crimp tools for contacts: pages B-B-01...
 Crimp contacts: pages B-C-01...

We also deliver as a connector set.
 Connector with crimp insert - and
 the contacts are separate included.
 Please ask for P/N



Part Number	SSR-	X	X	X	X	X	X	X	1	X	X	X										
with S/S steel coupling	SSR-	Here please fill in the first 7 digits of your desired connector insert (6-19 positions) from page B-A-01 to page B-A-29 																				
with red coupling nut	SSRR-																					
with yellow coupling nut	SSRY-																					
with green coupling nut	SSRG-																					
with blue coupling nut	SSRB-																					
		<table border="1"> <tr> <td>E 1 6</td> <td>without cable gland endbell threaded M16x1.5</td> </tr> <tr> <td>E 2 0</td> <td>without cable gland endbell threaded M20x1.5</td> </tr> <tr> <td>M 1 6</td> <td>with IP 68 cable gland M16, cable entry 5-10 mm</td> </tr> <tr> <td>M 2 0</td> <td>with IP 68 cable gland M20, cable entry 9-14 mm</td> </tr> <tr> <td>M 2 5</td> <td>with IP 68 cable gland M25, cable entry 13-19 mm (with adaptor)</td> </tr> </table>											E 1 6	without cable gland endbell threaded M16x1.5	E 2 0	without cable gland endbell threaded M20x1.5	M 1 6	with IP 68 cable gland M16, cable entry 5-10 mm	M 2 0	with IP 68 cable gland M20, cable entry 9-14 mm	M 2 5	with IP 68 cable gland M25, cable entry 13-19 mm (with adaptor)
E 1 6	without cable gland endbell threaded M16x1.5																					
E 2 0	without cable gland endbell threaded M20x1.5																					
M 1 6	with IP 68 cable gland M16, cable entry 5-10 mm																					
M 2 0	with IP 68 cable gland M20, cable entry 9-14 mm																					
M 2 5	with IP 68 cable gland M25, cable entry 13-19 mm (with adaptor)																					

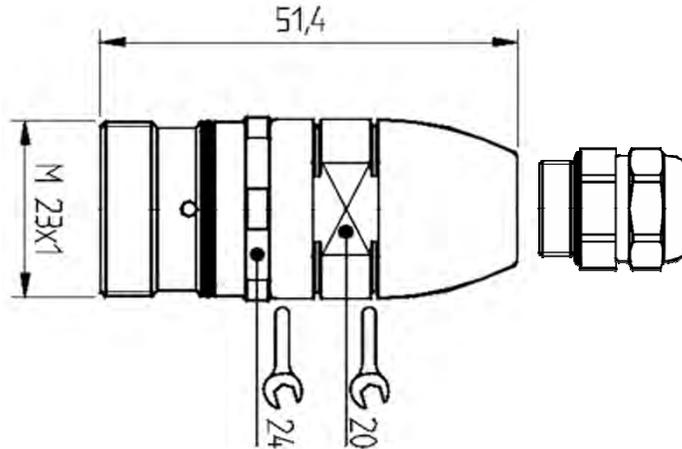


f.e. SSR-xxxxxx1M20

Stainless Steel



Non shielded Cable Connectors M23 Series SSR fits all UC/RC/SSR Connectors with female coupling nut Shell style 7



Caps and accessories: pages B-H-01...
Mounting tools: pages B-E-01...
Assembly instructions: page B-D-05
Crimp tools for contacts: pages B-B-01...
Crimp contacts: pages B-C-01...

We also deliver as a connector set.
 Connector with crimp insert - and
 the contacts are separate included.
 Please ask for P/N

Part Number	SSR-	X	X	X	X	X	X	X	7	X	X	X																				
with black O-ring	SSR-	Here please fill in the first 7 digits of your desired connector insert (6-19 positions) from page B-A-01 to page B-A-29																														
with red O-ring	SSRR-																															
with yellow O-ring	SSRY-																															
with green O-ring	SSRG-																															
with blue O-ring	SSRB-																															
		<table border="1"> <tr> <td>E 1 6</td> <td>without cable gland</td> </tr> <tr> <td></td> <td>endbell threaded M16x1.5</td> </tr> <tr> <td>E 2 0</td> <td>without cable gland</td> </tr> <tr> <td></td> <td>endbell threaded M20x1.5</td> </tr> <tr> <td>M 1 6</td> <td>with IP 68 cable gland</td> </tr> <tr> <td></td> <td>M16, cable entry 5-10 mm</td> </tr> <tr> <td>M 2 0</td> <td>with IP 68 cable gland</td> </tr> <tr> <td></td> <td>M20, cable entry 9-14 mm</td> </tr> <tr> <td>M 2 5</td> <td>with IP 68 cable gland</td> </tr> <tr> <td></td> <td>M25, cable entry 13-19 mm (with adaptor)</td> </tr> </table>											E 1 6	without cable gland		endbell threaded M16x1.5	E 2 0	without cable gland		endbell threaded M20x1.5	M 1 6	with IP 68 cable gland		M16, cable entry 5-10 mm	M 2 0	with IP 68 cable gland		M20, cable entry 9-14 mm	M 2 5	with IP 68 cable gland		M25, cable entry 13-19 mm (with adaptor)
E 1 6	without cable gland																															
	endbell threaded M16x1.5																															
E 2 0	without cable gland																															
	endbell threaded M20x1.5																															
M 1 6	with IP 68 cable gland																															
	M16, cable entry 5-10 mm																															
M 2 0	with IP 68 cable gland																															
	M20, cable entry 9-14 mm																															
M 2 5	with IP 68 cable gland																															
	M25, cable entry 13-19 mm (with adaptor)																															



f.e. SSR-xxxxxx7M20



Member of the Phoenix Contact Group

S F Series Power M23

Shielded Connectors M23
Power 630 Volt

Shielded Power Connectors M23 Series SF

Technical Data



Shell material

Machined components: Copper-Zinc alloy (CuZn)
 die cast components: Zinc (GD-Zn)
 Shell plating: Nickel (Ni) plated
 Cable entry: max. 19 mm



Insulator

Connector inserts: Polyamide (PA66) UL 94 V0

Contacts

Contact material: Copper-Zinc alloy (CuZn)
 Contact plating: Nickel (Ni) with gold (Au) passivated
 Contact termination: crimp type



Sealing

Sealing rings: Fluor rubber FPM
 Gaskets: Fluor rubber FPM

All connectors with universal shielding material for different jacket and shield diameters.



Temperature

Temperature (long term) Celsius: - 20 °C up to + 125°C
 Temperature (long term) Fahrenheit: - 4 °F up to + 257 °F

Mating

Mating cycles: Standard min. 50
 Female coupling nuts: M23 screw locking
 Male receptacles: M23 screw locking



Protection

Protection class : IP 67 (mated) depends on which cable gland is used



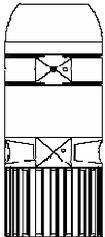
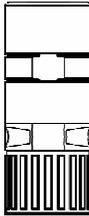
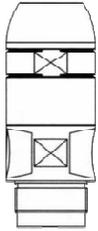
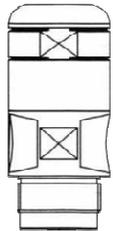
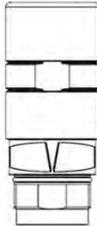
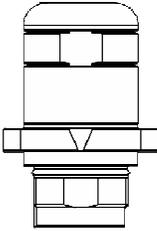
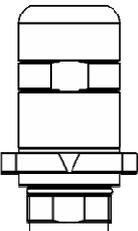
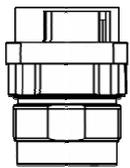
EMC
shielding

					
Number of positions	6	8			
Number of contacts	5 + PE	4+3+PE			
Contact dia. (mm Ø)	2	1 2 2			
Rated current at 25° (A)	30	9/30			
Rated voltage (V)	630	250/630			
Test voltage (V)	6,000	4,000/6,000			
Surge voltage category	III	III			
Installation altitude above sea level	3,000 m	3,000 m			
Wiring size AWG	24-14	28-18			
Wiring size AWG	24-12	24-12			



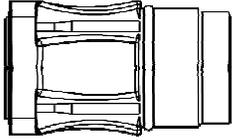
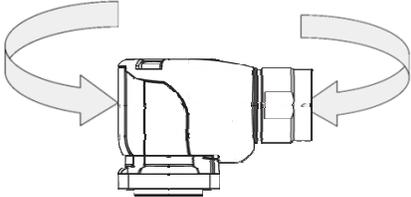
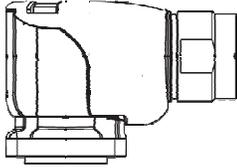
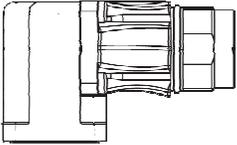
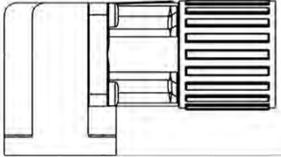
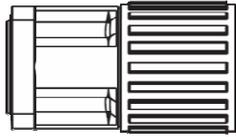
Shielded Power Connectors M23 Series SF

Shell styles 8, 8L, 9, 9L, R4, F4, C0, CL, WK

SF-xxxxxxx8xxx page C-K-04	SF-xxxxxxx8Lxx page C-K-04	SF-xxxxxxxR4xx page C-K-04
Cable connector, straight with female coupling nut cable entry max. 14 mm universal shielding material	Cable connector, straight with female coupling nut cable entry max. 18 mm universal shielding material	Cable connector, straight with female coupling nut open endbell M20x1.5 universal shielding material
 <b style="color: red;">style 8	 <b style="color: red;">style 8 long	 <b style="color: red;">style R4
SF-xxxxxxx9Lxx page C-K-05	SF-xxxxxxx9xx page C-K-05	SF-xxxxxxxF4xx page C-K-05
Cable connector, straight with male thread cable entry max. 18 mm universal shielding material	Cable connector, straight with male thread cable entry max. 14 mm universal shielding material	Cable connector, straight with male thread open endbell M20x1.5 universal shielding material
 <b style="color: red;">style 9L	 <b style="color: red;">style 9	 <b style="color: red;">style F4
SF-xxxxxxxC0xx page C-K-06	SF-xxxxxxxCLxx page C-K-06	SF-xxxxxxxWKxx page C-K-07
Cable connector, straight with male thread cable entry max. 14 mm front / rear mount flange	Cable connector, straight with male thread cable entry max. 18 mm front / rear mount flange	Panel connector, straight with male thread flat design, axial O-ring square flange 28 mm □
 <b style="color: red;">style C0	 <b style="color: red;">style CL	 <b style="color: red;">style WK

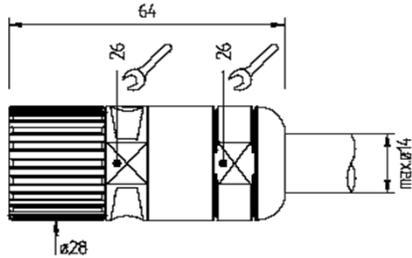
Shielded Power Connectors M23 Series SF
Shell styles WA, AD,AC, AF, AK, A2, YW, Y0



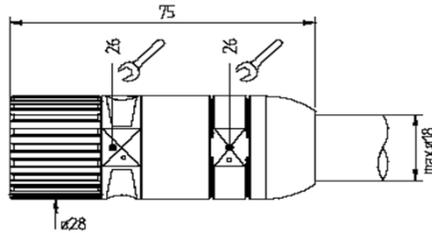
SF-xxxxxxxWAxx page C-K-07	SF-xxxxxxxAD(AC)xx page C-K-08	SF-xxxxxxxAF(AK)xx page C-K-09
Panel connector, straight with male thread axial O-ring square flange 26 mm □	Panel connector, right angled with male thread axial O-ring, rotatable square flange 26/28 mm □	Panel connector, right angled with male thread axial O-ring, fixed square flange 26/28 mm □
 <p style="text-align: center;">style WA</p>	 <p style="text-align: center;">style AD/AC</p>	 <p style="text-align: center;">style AF/AK</p>
SF-xxxxxxxA2xx page C-K-10	SF-xxxxxxxYWxx page C-K-11	SF-xxxxxxxY0x page C-K-11
Panel connector, right angled with male thread axial O-ring, fixed square flange 26 mm □	Panel connector, right angled with female coupling nut axial O-ring, fixed square flange 26 mm □	Panel connector, straight with female coupling nut axial O-ring square flange 26 mm □
 <p style="text-align: center;">style A2</p>	 <p style="text-align: center;">style YW</p>	 <p style="text-align: center;">style Y0</p>



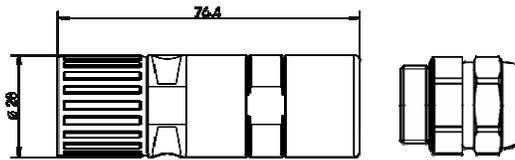
Shielded Power Connectors M23 Series SF
fits all SF Connectors with male thread
Shell style 80, 8L, R4



style 80DU short



style 8LDL long



style R4DU (R420) (R425) long

all with integrated strain relief

Caps and accessories: pages B-H-01...
 Mounting tools: pages B-E-01...
 Assembly instructions: page B-D-20
 Crimp tools for contacts: pages B-B-03...
 Crimp contacts: pages B-C-40...

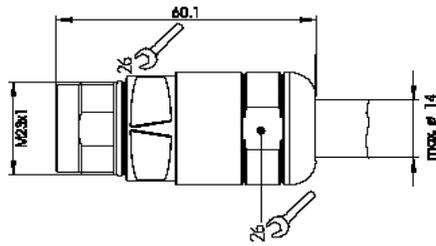
We also deliver as a connector set.
 Connector with crimp insert - and
 the contacts are separate included.
 Please ask for P/N



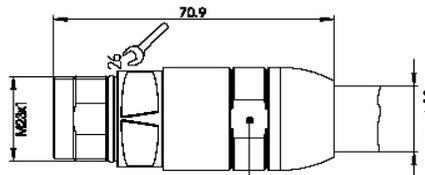
Part Number	SF-	X	X	X	X	X	X	X	X	X	X	X		
Please fill in the part number of your desired connector insert 6 position female (5+E)  5 E S 1 N 8 A crimp insert w/o contacts 8 position female (4+3+E)  7 E S 1 N 8 A crimp insert w/o contacts													8 0 D U S short version 	
													cable entry 7.5-14 mm	
														8 0 D U short version cable entry 7.5-14 mm
														8 L D L long version cable entry 7.5-18 mm
														R 4 D U long version endbell open with thread M20x1.5
 f.e. SF-xxxxxxxR4DU  f.e.SF-xxxxxxxR425													R 4 2 0 long version endbell M20x1.5 with IP 68 cable gland cable Ø 9-14 mm	
														R 4 2 5 long version endbell M25x1.5 with IP 68 cable gland cable Ø 13-19 mm (with adaptor)



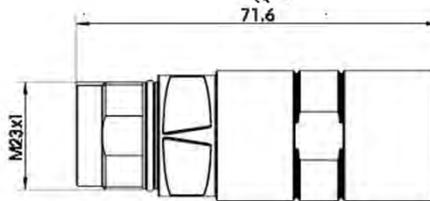
Shielded Power Connectors M23 Series SF
fits all SF Connectors with female coupling nut
Shell style 90, 9L, F4



style 90DU short



style 9LDL long



style F4DU (F420) (F425) long

all with integrated strain relief

Caps and accessories: pages B-H-01...
 Mounting tools: pages B-E-01...
 Assembly instructions: page B-D-21
 Crimp tools for contacts: pages B-B-03...
 Crimp contacts: pages B-C-40...

We also deliver as a connector set.
 Connector with crimp insert - and
 the contacts are separate included.
 Please ask for P/N



Part Number	SF-	X	X	X	X	X	X	X	X	X	X	X		
Please fill in the part number of your desired connector insert														
6 position male (5+E) crimp insert w/o contacts													9 0 D U	short version
8 position male (4+3+E) crimp insert w/o contacts													9 L D L	long version
6 position male (5+E) crimp insert w/o contacts													F 4 D U	long version endbell open with thread M20x1.5
8 position male (4+3+E) crimp insert w/o contacts													F 4 2 0	long version endbell M20x1.5 with IP 68 cable gland cable Ø 9-14 mm
6 position male (5+E) crimp insert w/o contacts													F 4 2 5	long version endbell M25x1.5 with IP 68 cable gland cable Ø 13-19 mm (with adaptor)



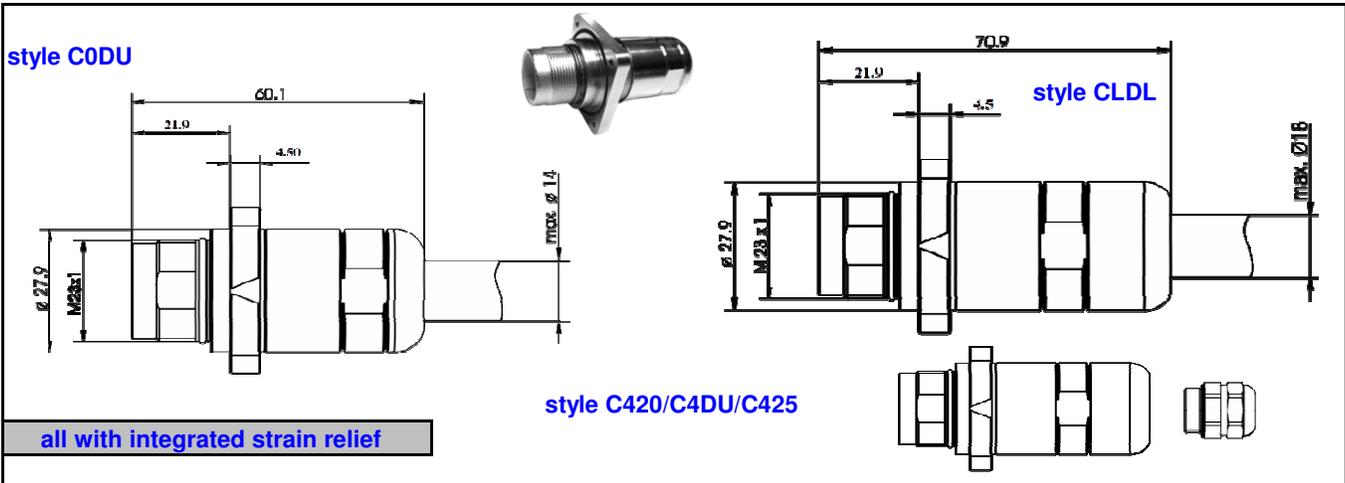
f.e. SF-xxxxxxx9LDL



f.e. SF-xxxxxxxF4DU



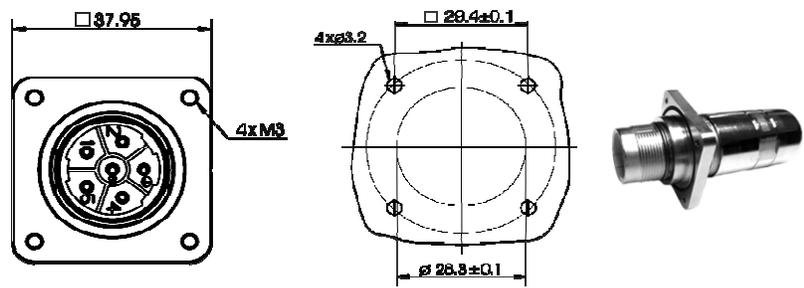
Shielded Power Connectors M23 Series SF
fits all SF Connectors with female coupling nut
Shell style C0, CL, C4 • front / rear mount •



Caps and accessories: pages B-H-01...
Mounting tools: pages B-E-01...
Assembly instructions: page B-D-24
Crimp tools for contacts: pages B-B-03...
Crimp contacts: pages B-C-40...

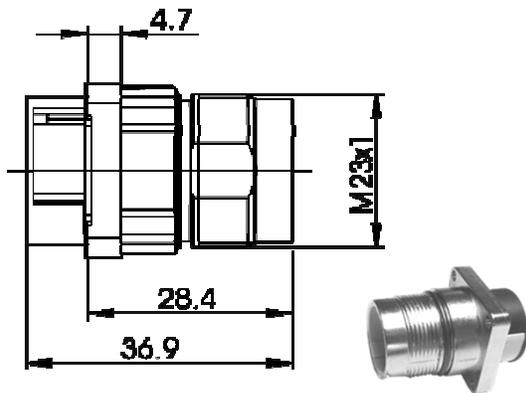
We also deliver as a connector set.
 Connector with crimp insert - and
 the contacts are separate included.
 Please ask for P/N

Part Number	SF-	X	X	X	X	X	X	X	C	X	X	X
Please fill in the part number of your desired connector insert												
6 position male (5+E) crimp insert w/o contacts		5	E	P	1	N	8	A		0	D	U
										short version cable entry 7.5-14 mm		
8 position male (4+3+E) crimp insert w/o contacts		7	E	P	1	N	8	A		L	D	L
										long version cable entry 7.5-18 mm		
										4	D	U
										long version endbell open with thread M20x1.5		
										4	2	0
										long version endbell M20x1.5 with IP 68 cable gland cable Ø 9-14 mm		
										4	2	5
										long version endbell M25x1.5 with IP 68 cable gland cable Ø 13-19 mm (with adaptor)		

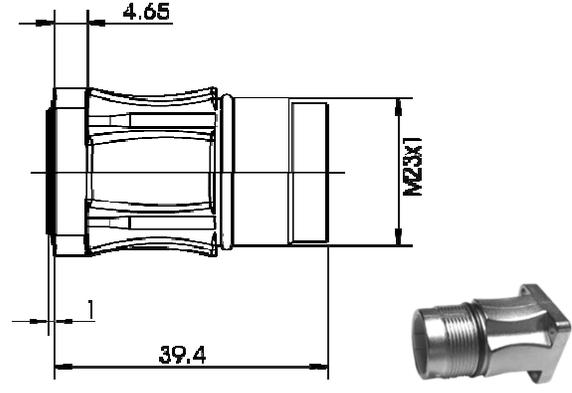




Shielded Power Connectors M23 Series SF
fits all SF Connectors with female coupling nut
Shell style WK, WA • front mount •



dimension style WK

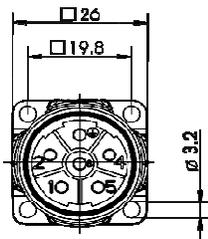


dimensions style WA

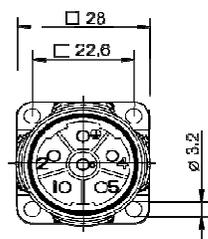
Caps and accessories: pages B-H-01...
 Mounting tools: pages B-E-01...
 Assembly instructions: page B-D-28
 Crimp tools for contacts: pages B-B-03...
 Crimp contacts: pages B-C-40...

We also deliver as a connector set.
 Connector with crimp insert - and
 the contacts are separate included.
 Please ask for P/N

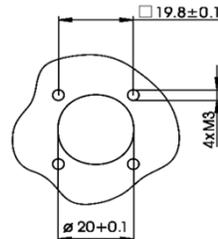
Part Number	SF-	X	X	X	X	X	X	X	X	W	X	X	X		
Please fill in the part number of your desired connector insert											K 0 0	flat design, axial O-ring			
6 position male (5+E) crimp insert w/o contacts											5 E P 1 N 8 A		flange 28 mm □ 4 holes 3.2 mm Ø		
8 position male (4+3+E) crimp insert w/o contacts											7 E P 1 N 8 A	A 0 0	with axial O-ring flange 26 mm □ 4 holes 3.2 mm Ø		



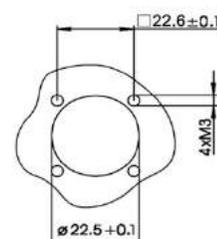
flange style WA



flange style WK



mounting style WA

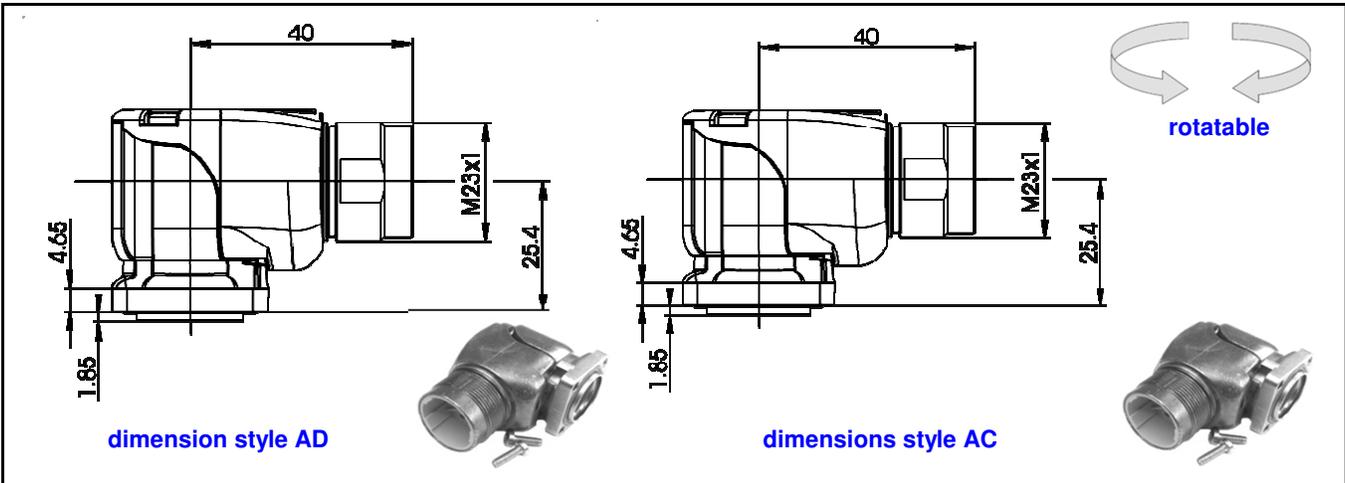


mounting style WK



Shielded Power Connectors M23 Series SF
fits all SF Connectors with female coupling nut

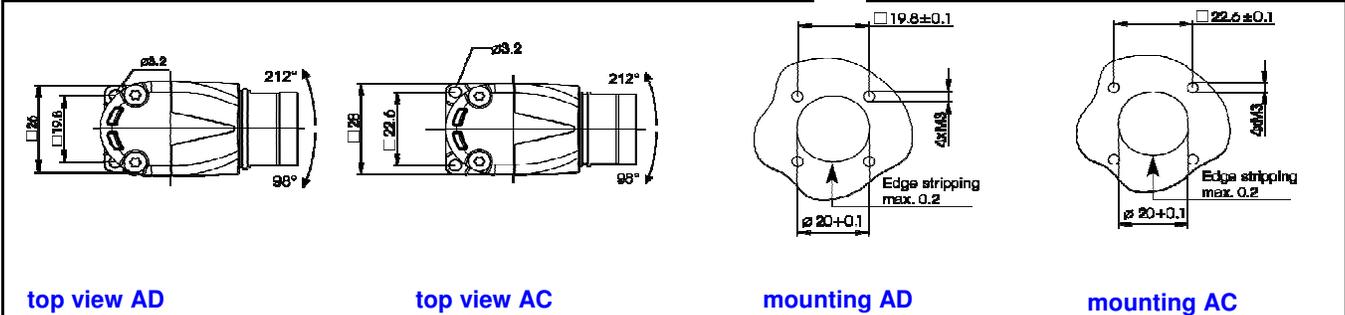
Shell style AD, AC • front mount, right angled •



Caps and accessories: pages B-H-01...
Mounting tools: pages B-E-01...
Assembly instructions: page B-D-23
Crimp tools for contacts: pages B-B-03...
Crimp contacts: pages B-C-40...

We also deliver as a connector set.
 Connector with crimp insert - and
 the contacts are separate included.
 Please ask for P/N

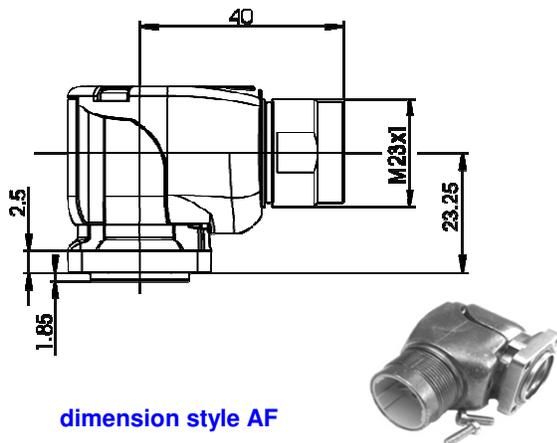
Part Number	SF-	X	X	X	X	X	X	X	A	X	X	X
Please fill in the part number of your desired connector insert												
6 position male (5+E) crimp insert w/o contacts		5	E	P	1	N	8	A		D	0	0
										axial O-ring, rotatable flange 26 mm □ 4 holes 3.2 mm Ø		
8 position male (4+3+E) crimp insert w/o contacts		7	E	P	1	N	8	A		C	0	0
										axial O-ring, rotatable flange 28 mm □ 4 holes 3.2 mm Ø		



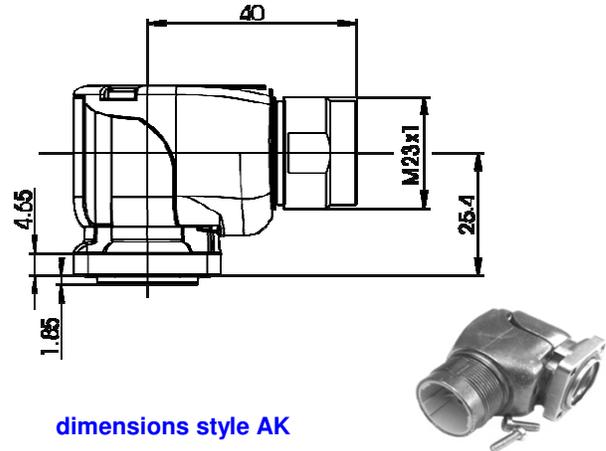


Shielded Power Connectors M23 Series SF
fits all SF Connectors with female coupling nut

Shell style AF, AK • front mount, right angled •



dimension style AF



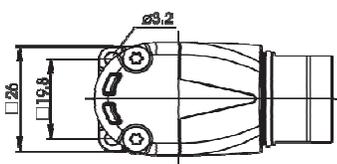
dimensions style AK

Caps and accessories: pages B-H-01...
 Mounting tools: pages B-E-01...
 Assembly instructions: page B-D-23
 Crimp tools for contacts: pages B-B-03...
 Crimp contacts: pages B-C-40...

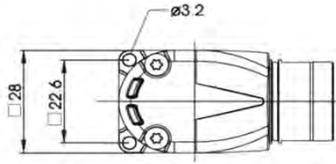
We also deliver as a connector set.
 Connector with crimp insert - and
 the contacts are separate included.
 Please ask for P/N



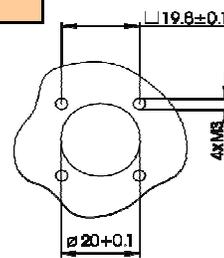
Part Number	SF-	X	X	X	X	X	X	X	A	X	X	X
Please fill in the part number of your desired connector insert												
6 position male (5+E) crimp insert w/o contacts		5	E	P	1	N	8	A		F	0	0
8 position male (4+3+E) crimp insert w/o contacts		7	E	P	1	N	8	A		K	0	0
												axial O-ring flange 26 mm □ 4 holes 3.2 mm Ø
												axial O-ring flange 28 mm □ 4 holes 3.2 mm Ø



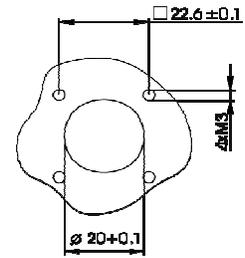
top view AF



top view AK



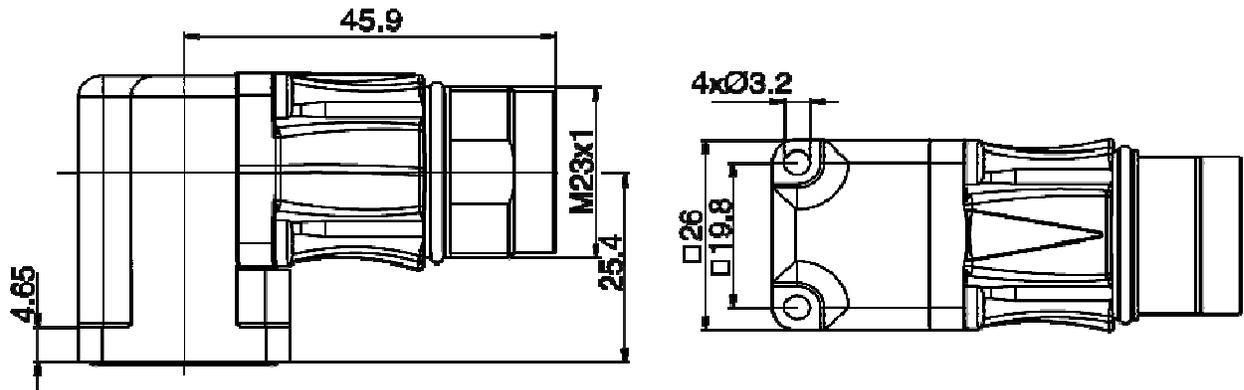
mounting AF



mounting AK

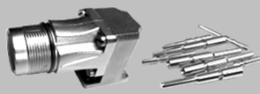


Shielded Power Connectors M23 Series SF
fits all SF Connectors with female coupling nut
Shell style A2 • front mount, right angled •



Caps and accessories: pages B-H-01...
 Mounting tools: pages B-E-01...
 Assembly instructions: page B-D-22
 Crimp tools for contacts: pages B-B-03...
 Crimp contacts: pages B-C-40...

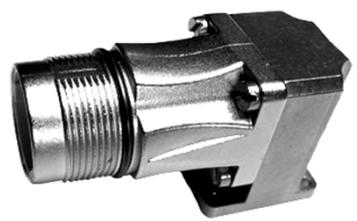
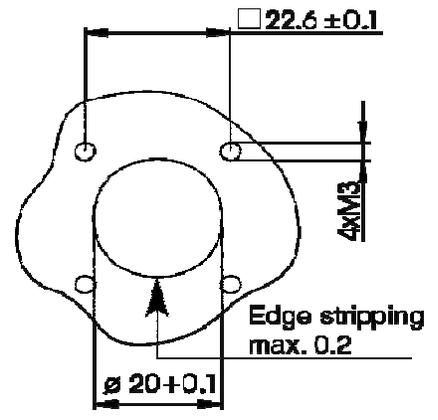
We also deliver as a connector set.
 Connector with crimp insert - and
 the contacts are separate included.
 Please ask for P/N



Part Number	SF-	X	X	X	X	X	X	X	A	2	0	0
--------------------	------------	---	---	---	---	---	---	---	----------	----------	----------	----------

Please fill in the part number of
 your desired connector insert

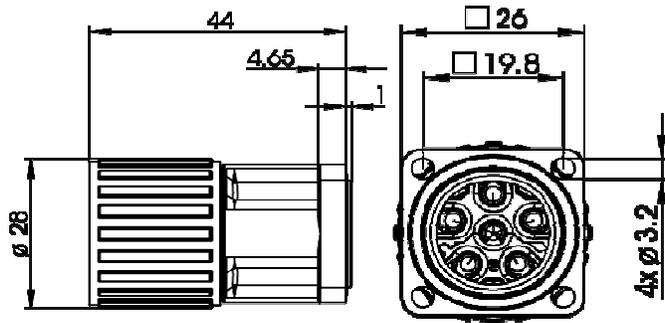
6 position male (5+E) crimp insert w/o contacts		5	E	P	1	N	8	A
8 position male (4+3+E) crimp insert w/o contacts		7	E	P	1	N	8	A



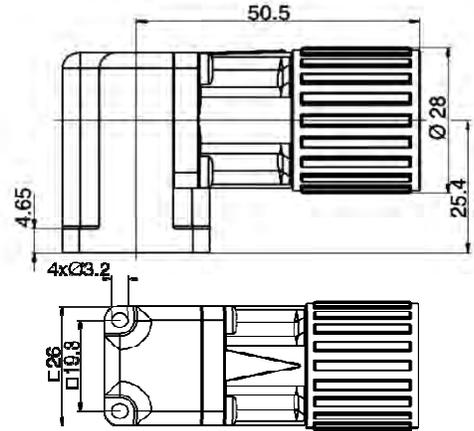


Shielded Power Connectors M23 Series SF
fits all SF Connectors with male thread

Shell style YW, Y0 • front mount, straight / right angled •



dimensions Y000



dimensions YW00

Caps and accessories: pages B-H-01...
Mounting tools: pages B-E-01...
Assembly instructions: page B-D-29
Crimp tools for contacts: pages B-B-03...
Crimp contacts: pages B-C-40...

We also deliver as a connector set.
 Connector with crimp insert - and the contacts are separate included.
 Please ask for P/N



Part Number	SF-	X	X	X	X	X	X	X	X	Y	X	X	X
-------------	-----	---	---	---	---	---	---	---	---	----------	---	---	---

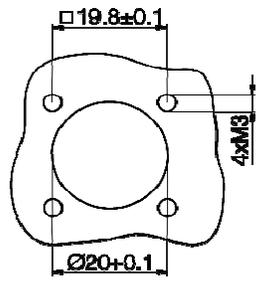
Please fill in the part number of your desired connector insert

6 position female (5+E) crimp insert w/o contacts  **5 E S 1 N 8 A**

8 position female (4+3+E) crimp insert w/o contacts  **7 E S 1 N 8 A**

W 0 0 right angled
 axial O-ring, square flange
 4 holes 3.2 mm Ø
 flange size 26 mm □

0 0 0 straight
 axial O-ring, square flange
 4 holes 3.2 mm Ø
 flange size 26 mm □



mounting holes
 style YW00 and Y000



style YW00



style Y000



Member of the Phoenix Contact Group

CA Series

Shielded Connectors M23

Connectors M23 Series CA

Technical Data



Shell material

Machined components: Copper-Zinc alloy (CuZn)
 die cast components: Zinc (GD-Zn)
 Shell plating: Nickel (Ni) plated
 Cable entry: max. 14.5 mm



Insulator

Connector inserts: Thermoplastic polyester (PBT), Polyamid (PA66),

Contacts

Contact material: Copper-Zinc alloy (CuZn)
 Contact plating: Nickel (Ni) with gold (Au) passivated
 Contact termination: Solder cup, crimp type, screw type, dip solder



Sealing

Sealing rings: Fluor rubber (FPM)
 Gaskets: Fluor rubber (FPM), or Perbunan (NBR) stiffened gaskets

Temperature

Temperature (long term) Celsius: - 40 °C up to +125°C
 Temperature (long term) Fahrenheit: - 40 °F up to + 257 °F



Mating

Female coupling nuts: M23 screw locking/Speedcon
 Male receptacles: M23 screw locking/Speedcon
 Mating cycles: Standard min. 50



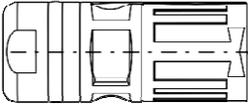
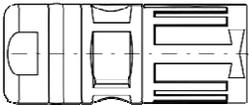
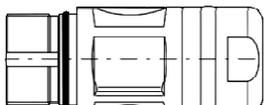
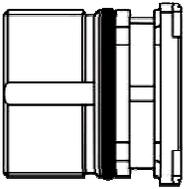
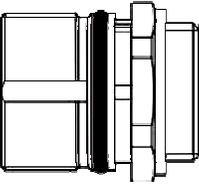
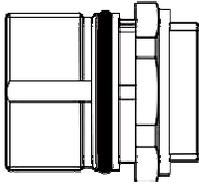
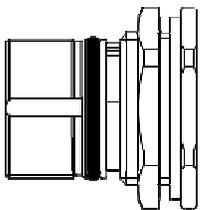
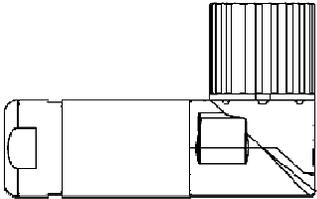
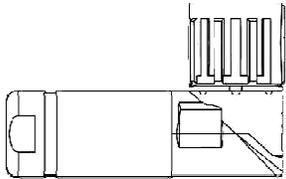
Protection

Protection class : IP 67 (mated) depends on which cable gland is used

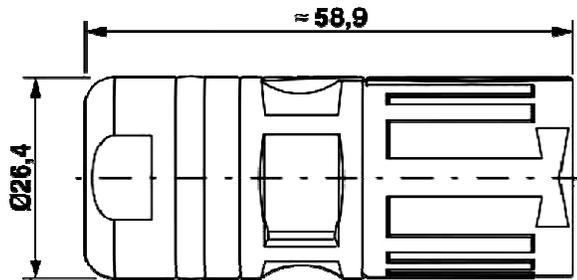
Number of positions	6,7	9 (8+1)	9 (6+3)	12	16	17	19 (16+3)
Number of contacts	6,7	8 1	6 3	12	16	17	16 3
Contact dia. (mm Ø)	2	1 2	1 2	1	1	1	1 1.5
Rated current at 25°C (A)	20	8 20	8 20	8	8	8	8 10
Rated voltage (V)	250	150	150	150	150	150	150
Test voltage (Volt AC)	2,500	1,500	1,500	1,500	1,500	1,500	1,500
Overvoltage category DIN EN 61984-2001	II	II	II	II	II	II	II
Insulation resistance (Ω)	≥10 ¹⁶	≥10 ¹⁶	≥10 ¹²	≥10^{12}	≥10^{12}	≥10^{12}	≥10^{12}
Contact resistance (mΩ)	≤3	≤3	≤3	≤3	≤3	≤3	≤3
Pollution degree acc. to IEC 664-1	2 (3 ¹)						
Contact resistance (mΩ)	≤3	≤3	≤3	≤3	≤3	≤3	≤3
Pollution degree acc. to IEC 664-1	2 (3 ¹)						

Shielded Connectors M23 Series CA
Shell styles 8, 8S, 9, 2, 6, H, T0



<p>CA-xxxxxxx80xxS page C-L-04</p>	<p>CA-xxxxxxx80xx page C-L-05</p>	<p>CA-xxxxxxx90xx page C-L-06</p>
<p>Cable connector, straight with female coupling nut cable entry max. 14.5 mm \varnothing with universal shielding sleeve</p>	<p>Cable connector, straight with female coupling nut cable entry max. 14.5 mm \varnothing with universal shielding sleeve</p>	<p>Cable connector, straight with male thread cable entry 14.5 mm \varnothing with universal shielding sleeve</p>
<p>  style 8</p>	<p> style 8</p>	<p> style 9</p>
<p>CA-xxxxxxx2Sxx page C-L-07</p>	<p>CA-xxxxxxx6Y00 page C-L-08</p>	<p>CA-xxxxxxx6Zxx page C-L-09</p>
<p>front mount, straight square flange, gasket flange with holes male thread M23</p>	<p>front mount, straight round flange, gasket lock nut from the back M20 male thread M 23</p>	<p>front mount, straight round flange, gasket lock nut from the back PG 13.5 male thread M 23</p>
<p> style 2S</p>	<p> style 6Y</p>	<p> style 6Z</p>
<p>CA-xxxxxxxHZxx page C-L-10</p>	<p>CA-xxxxxxxT0xx page C-L-11</p>	<p>CA-xxxxxxxT0xxS page C-L-12</p>
<p>rear mount, straight round flange, axial seal lock nut from the front male thread M 23</p>	<p>Cable connector, angled with female coupling nut cable entry max. 14.5 mm \varnothing with universal shielding sleeve</p>	<p>Cable connector, angled with female coupling nut cable entry max. 14.5 mm \varnothing with universal shielding sleeve</p>
<p> style HZ</p>	<p> style T0xx</p>	<p>  style T0xxS</p>

Shielded Cable Connectors M23 Series CA
fits all RC/UC/RF/CA Connectors with male outside thread
Shell style 8xxS



Speedcon Version



Caps and accessories: pages B-H-01...
Mounting tools: pages B-E-01...
Assembly instructions: page B-D-14
Crimp tools for contacts: pages B-B-01...
Crimp contacts: pages B-C-01... (RC)

We also deliver as a connector set.
 Connector with crimp insert - and
 the contacts are
 separate included.
 Please ask for P/N



Part Number	CA-	X	X	X	X	X	X	X	8	0	X	X	S
-------------	------------	---	---	---	---	---	---	---	----------	----------	---	---	----------

Here please fill in the first 7 digits
 of your desired RC connector insert
 (6-19 positions) from
 the page B-A-01
 to page B-A-29

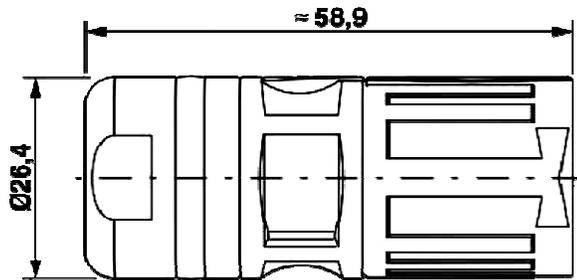


**Shielded cable connector
 with universal shielding sleeve**

Cable connector, straight	cable entry 3-14.5 mm ∅	D	N
Cable connector, straight	cable entry 4-6.0 mm ∅	0	6
Cable connector, straight	cable entry 6-10.0 mm ∅	0	7
Cable connector, straight	cable entry 10-14.5 mm ∅	0	8



Shielded Cable Connectors M23 Series CA
fits all RC/UC/RF/CA Connectors with male outside thread
Shell style 8xx



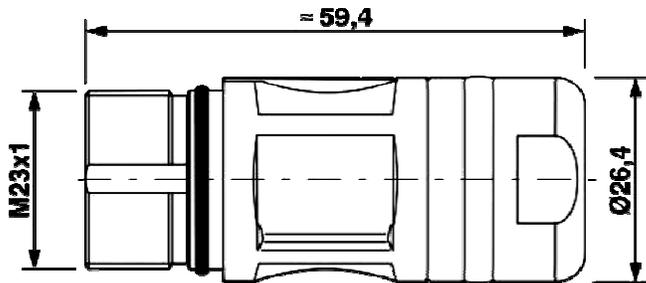
Caps and accessories: pages B-H-01...
Mounting tools: pages B-E-01...
Assembly instructions: page B-D-14
Crimp tools for contacts: pages B-B-01...
Crimp contacts: pages B-C-01... (RC)

We also deliver as a connector set.
 Connector with crimp insert - and the contacts are separate included.
 Please ask for P/N



Part Number	CA-	X	X	X	X	X	X	X	8	0	X	X
		Here please fill in the first 7 digits of your desired RC connector insert (6-19 positions) from the page B-A-01 to page B-A-29										
Shielded cable connector with universal shielding sleeve												
Cable connector, straight		cable entry 3-14.5 mm ∅									D	N
Cable connector, straight		cable entry 4-6.0 mm ∅									0	6
Cable connector, straight		cable entry 6-10.0 mm ∅									0	7
Cable connector, straight		cable entry 10-14.5 mm ∅									0	8

Shielded Cable Connectors M23 Series CA
fits all RC/UC/RF/CA Connectors with female coupling nut
Shell style 9xx



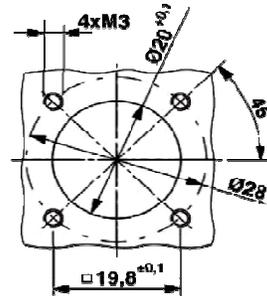
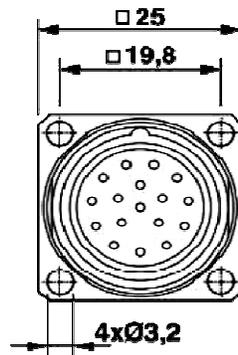
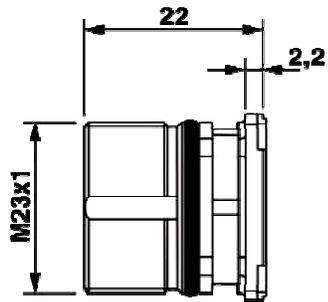
Caps and accessories: pages B-H-01...
Mounting tools: pages B-E-01...
Assembly instructions: page B-D-15
Crimp tools for contacts: pages B-B-01...
Crimp contacts: pages B-C-01... (RC)

We also deliver as a connector set.
 Connector with crimp insert - and
 the contacts are
 separate included.
 Please ask for P/N



Part Number	CA-	X	X	X	X	X	X	X	9	0	X	X
		Here please fill in the first 7 digits of your desired RC connector insert (6-19 positions) from the page B-A-01  to page B-A-29										
Shielded cable connector with universal shielding sleeve												
Cable connector, straight		cable entry 3-14.5 mm Ø									D	N
Cable connector, straight		cable entry 4-6.0 mm Ø									0	6
Cable connector, straight		cable entry 6-10.0 mm Ø									0	7
Cable connector, straight		cable entry 10-14.5 mm Ø									0	8

Flange Connector front mount M23 Series CA
fits all RC/UC/RF/CA Connectors with female coupling nut
Shell style 2xx



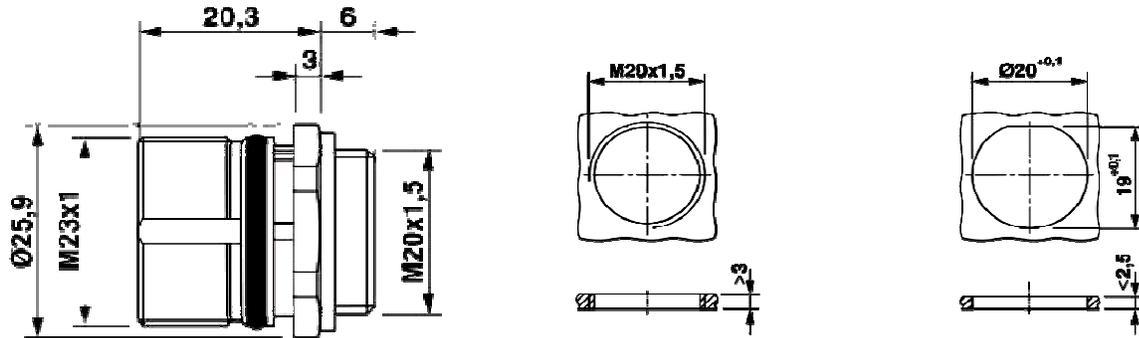
Caps and accessories: pages B-H-01...
 Mounting tools: N/A
 Assembly instructions: N/A
 Crimp tools for contacts: pages B-B-01...
 Crimp contacts: pages B-C-01... (RC)

We also deliver as a connector set.
 Connector with crimp insert - and
 the contacts are
 separate included.
 Please ask for P/N



Part Number	CA-	X	X	X	X	X	X	X	X	X	X	X
		Here please fill in the first 7 digits of your desired RC connector insert (6-19 positions) from the page B-A-01  to page B-A-29										
Square flange connector with flat gasket front mount												
flange with 4 holes 3.2 mm Ø		2 S 0 0										

Flange Connector front mount M23 Series CA
fits all RC/UC/RF/CA Connectors with female coupling nut
Shell style 6xx



Caps and accessories: pages B-H-01...
Mounting tools: N/A
Assembly instructions: N/A
Crimp tools for contacts: pages B-B-01...
Crimp contacts: pages B-C-01... (RC)

We also deliver as a connector set.
 Connector with crimp insert - and
 the contacts are
 separate included.
 Please ask for P/N



Part Number	CA-	X	X	X	X	X	X	X	X	X	X	X
-------------	-----	---	---	---	---	---	---	---	---	---	---	---

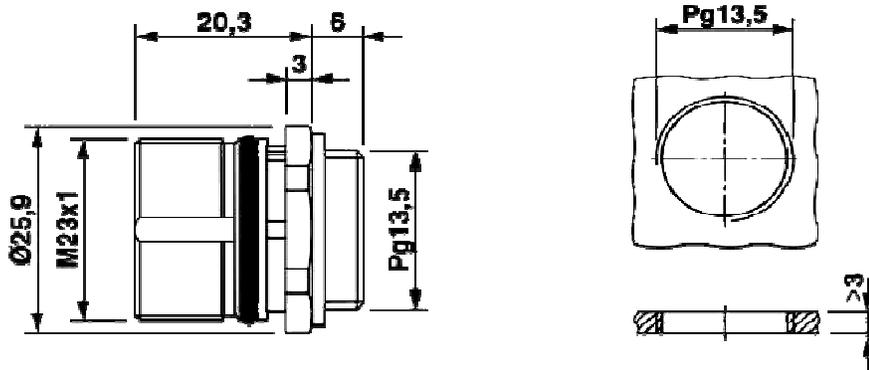
Here please fill in the first 7 digits
 of your desired RC connector insert
 (6-19 positions) from
 the page B-A-01
 to page B-A-29



**Round flange connector
 with axial seal ring
 front mount**

round flange with thread M20x1.5 mm ϕ	6	Y	0	0
with additional Lock nut	6	Y	N	0
with additional Lock nut and washer	6	Y	N	W

Flange Connector front mount M23 Series CA
fits all RC/UC/RF/CA Connectors with female coupling nut
Shell style 6xx



Caps and accessories: pages B-H-01...
 Mounting tools: N/A
 Assembly instructions: N/A
 Crimp tools for contacts: pages B-B-01...
 Crimp contacts: pages B-C-01... (RC)

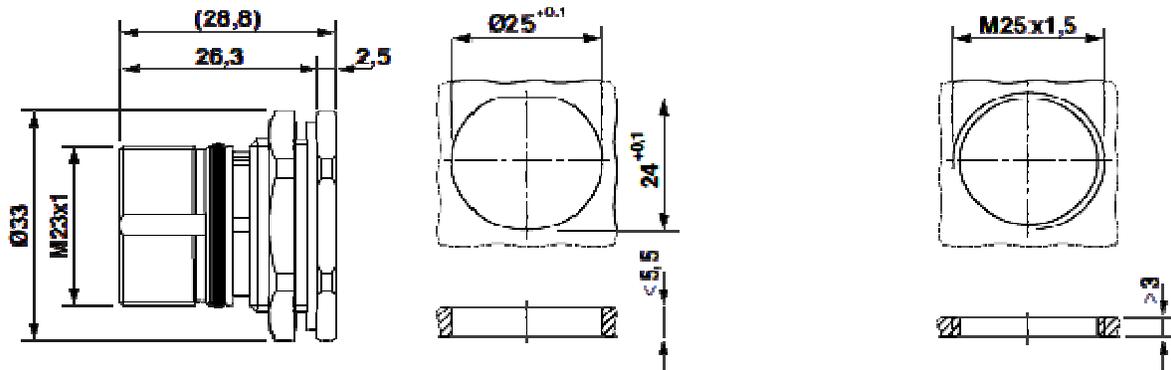
We also deliver as a connector set.
 Connector with crimp insert - and
 the contacts are
 separate included.
 Please ask for P/N

Part Number	CA-	X	X	X	X	X	X	X	X	X	X	X	
		Here please fill in the first 7 digits of your desired RC connector insert (6-19 positions) from the page B-A-01 to page B-A-29											
Round flange connector with axial seal ring front mount													
round flange with thread PG13.5 ø									6	Z	0	0	
with additional Lock nut									6	Z	N	0	
with additional Lock nut and washer									6	Z	N	W	





Flange Connector front mount M23 Series CA
fits all RC/UC/RF/CA Connectors with female coupling nut
Shell style Hxx



Caps and accessories: pages B-H-01...
Mounting tools: N/A
Assembly instructions: N/A
Crimp tools for contacts: pages B-B-01...
Crimp contacts: pages B-C-01... (RC)

We also deliver as a connector set.
 Connector with crimp insert - and
 the contacts are
 separate included.
 Please ask for P/N



Part Number	CA-	X	X	X	X	X	X	X	X	X	X	X
-------------	-----	---	---	---	---	---	---	---	---	---	---	---

Here please fill in the first 7 digits
 of your desired RC connector insert
 (6-19 positions) from
 the page B-A-01
 to page B-A-29



**Round flange connector
 with axial seal ring
 rear mount**

with hex nut from the front

H Z O O

with additional Lock nut

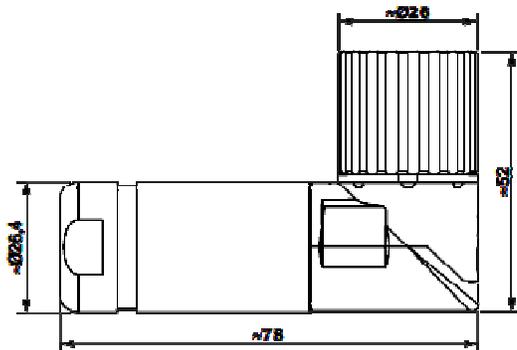
H Z N O

with additional Lock nut and washer

H Z N W



Shielded Cable Connectors M23 Series CA
fits all RC/UC/RF/CA Connectors with male outside thread
Shell style T0xx

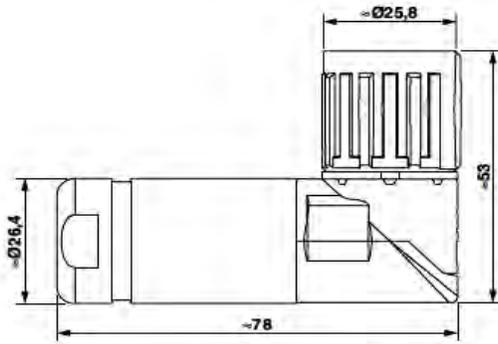


Caps and accessories: pages B-H-01...
Mounting tools: pages B-E-01...
Assembly instructions: page B-D-14A
Crimp tools for contacts: pages B-B-01...
Crimp contacts: pages B-C-01... (RC)

We also deliver as a connector set.
 Connector with crimp insert - and
 the contacts are
 separate included.
 Please ask for P/N

Part Number	CA-	X	X	X	X	X	X	X	T	0	X	X	
		Here please fill in the first 7 digits of your desired RC connector insert (6-19 positions) from the page B-A-01 to page B-A-29											
Shielded cable connector with universal shielding sleeve													
Cable connector, straight		cable entry 3-14.5 mm \varnothing									D	N	
Cable connector, straight		cable entry 4-6.0 mm \varnothing									0	6	
Cable connector, straight		cable entry 6-10.0 mm \varnothing									0	7	
Cable connector, straight		cable entry 10-14.5 mm \varnothing									0	8	

Shielded Cable Connectors M23 Series CA
fits all RC/UC/RF/CA Connectors with male outside thread
Shell style T0xxS



Speedcon Version



Caps and accessories: pages B-H-01...
Mounting tools: pages B-E-01...
Assembly instructions: page B-D-14A
Crimp tools for contacts: pages B-B-01...
Crimp contacts: pages B-C-01... (RC)

We also deliver as a connector set.
 Connector with crimp insert - and
 the contacts are
 separate included.
 Please ask for P/N

Part Number	CA-	X	X	X	X	X	X	X	T	0	X	X	S	
		Here please fill in the first 7 digits of your desired RC connector insert (6-19 positions) from the page B-A-01  to page B-A-29												
Shielded cable connector with universal shielding sleeve														
Cable connector, straight		cable entry 3-14.5 mm Ø									D		N	
Cable connector, straight		cable entry 4-6.0 mm Ø									0		6	
Cable connector, straight		cable entry 6-10.0 mm Ø									0		7	
Cable connector, straight		cable entry 10-14.5 mm Ø									0		8	



Member of the Phoenix Contact Group

H C Series M27

Shielded Connectors M27

Shielded Connectors M27 Series HC

Technical Data



Shell material

Machined components: Copper-Zinc alloy (CuZn)
 die cast components: Zinc (GD-Zn)
 Shell plating: Nickel (Ni) plated
 Cable entry: max. 18 mm



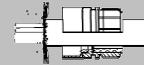
Insulator

Connector inserts: Polyamide (PA66) UL 94 V0

All connectors with different shielding material for different jacket and shield diameters.

Contacts

Contact material: Copper-Zinc alloy (CuZn)
 Contact plating: Nickel (Ni) with gold (Au) passivated
 Contact termination: crimp type, solder cup, DIP solder



Sealing

Sealing rings: Fluor rubber FPM
 Gaskets: Perbunan NBR or FPM



Temperature

Temperature (long term) Celsius: - 40 °C up to + 125°C
 Temperature (long term) Fahrenheit: - 40 °F up to + 257 °F

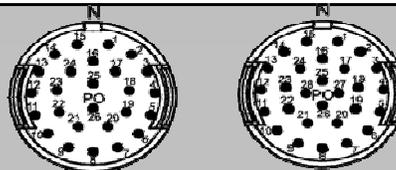


Mating

Mating cycles: Standard min. 50
 Female coupling nuts: M27 screw locking
 Male receptacles: M27 screw locking

Protection

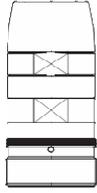
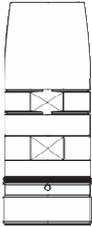
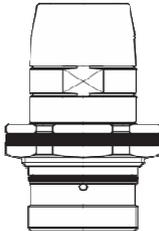
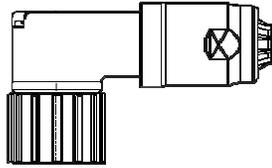
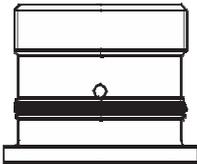
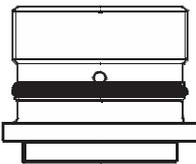
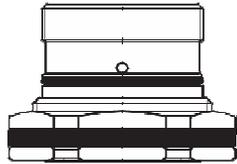
Protection class : IP 67 (mated) depends on which cable gland is used



Number of positions		26		28			
Number of contacts		26		28			
Contact dia. (mm Ø)		1		1			
Rated current at 25° (A)		8		8			
Rated voltage (V)		150		150			
Test voltage (V)		1,500		1,500			
Surge voltage category		II		II			
Insulation resistance (Ω)		≥10 ¹²		≥10 ¹²			
Contact resistance (mΩ)		≤3		≤3			
Wiring size AWG		26-17		26-17			

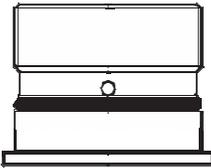
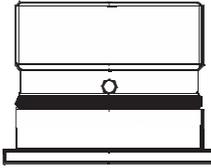
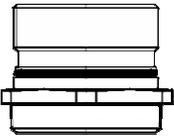
Shielded Connectors M27 Series HC

Shell styles 8, R, 9, F, Q, WIDU, 2, W, H

HC-xxxxxxx8xxx page C-P-04	HC-xxxxxxxRxxx page C-P-04	HC-xxxxxxx9xxx page C-P-05
Cable connector, straight with female coupling nut cable entry max. 14 mm universal shielding material	Cable connector, straight with female coupling nut cable entry max. 18 mm universal shielding material	Cable connector, straight with male thread cable entry max. 14 mm universal shielding material
 <b style="color: red;">style 8	 <b style="color: red;">style R	 <b style="color: red;">style 9
HC-xxxxxxxFxxx page C-P-05	HC-xxxxxxxQxxx page C-P-06	HC-xxxxxxxWIDU page C-P-07
Cable connector, straight with male thread cable entry max. 18 mm universal shielding material	Cable connector, straight with male thread cable entry max. 18 mm round flange, rear mount	cable connector, right angled with female coupling nut cable entry max. 14 mm universal shielding material
 <b style="color: red;">style F	 <b style="color: red;">style Q	 <b style="color: red;">style WIDU
HC-xxxxxxx2xxx page C-P-08	HC-xxxxxxxWxxx page C-P-08	HC-xxxxxxxHxxx page C-P-09
Panel connector, straight square flange with 4 holes front mount, gasket with male thread	Panel connector, straight square flange with 4 holes front mount, O-ring with male thread	Panel connector, straight round flange rear mount with male thread
 <b style="color: red;">style 2	 <b style="color: red;">style W	 <b style="color: red;">style H

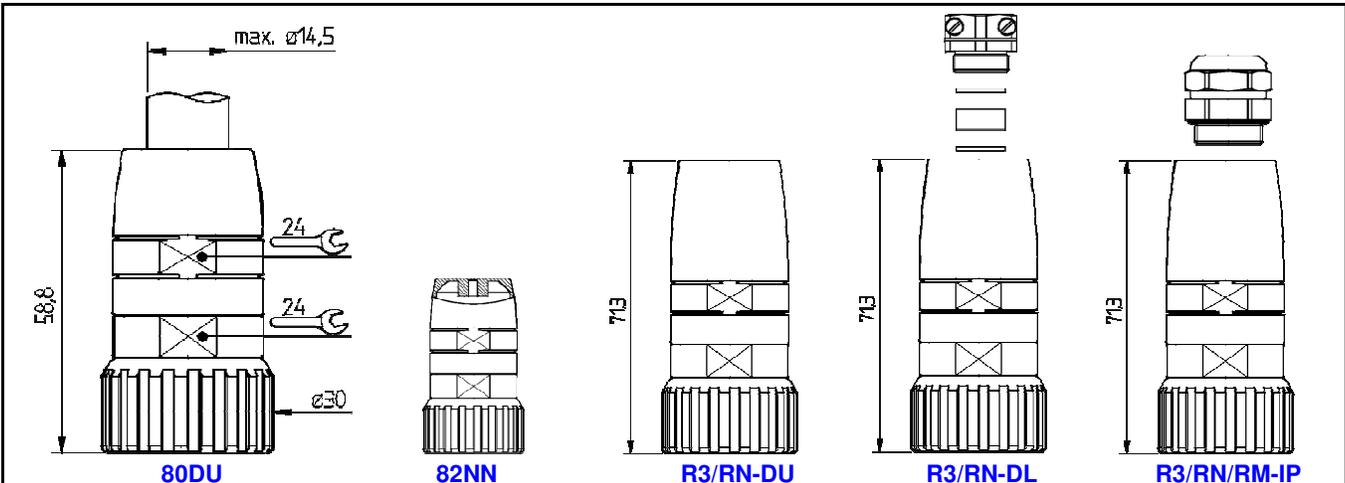


Shielded Connectors M27 Series HC
Shell styles 4, 5, AAST

<p>HC-xxxxxxx4xxx page C-P-09</p>	<p>HC-xxxxxxx5xxx page C-P-09</p>	<p>HC-AAST23-01 page C-P-10</p>
<p>Panel connector, straight square flange, 4 threads rear mount with male thread</p>	<p>Panel connector, straight square flange, 4 holes rear mount with male thread</p>	<p>front mount, angled square flange, gasket with holes and screws for connectors style 2</p>
<div style="text-align: center;">  <p>style 4</p> </div>	<div style="text-align: center;">  <p>style 5</p> </div>	<div style="text-align: center;">  <p>style AAST23</p> </div>
<p>HC-xxxxxxx6xxx page C-P-11</p>		
<p>Panel connector, straight round flange front mount with male thread</p>		
<div style="text-align: center;">  <p>style 6</p> </div>		



Shielded Connectors M27 Series HC
fits all HC Connectors with male thread
Shell style 8/R



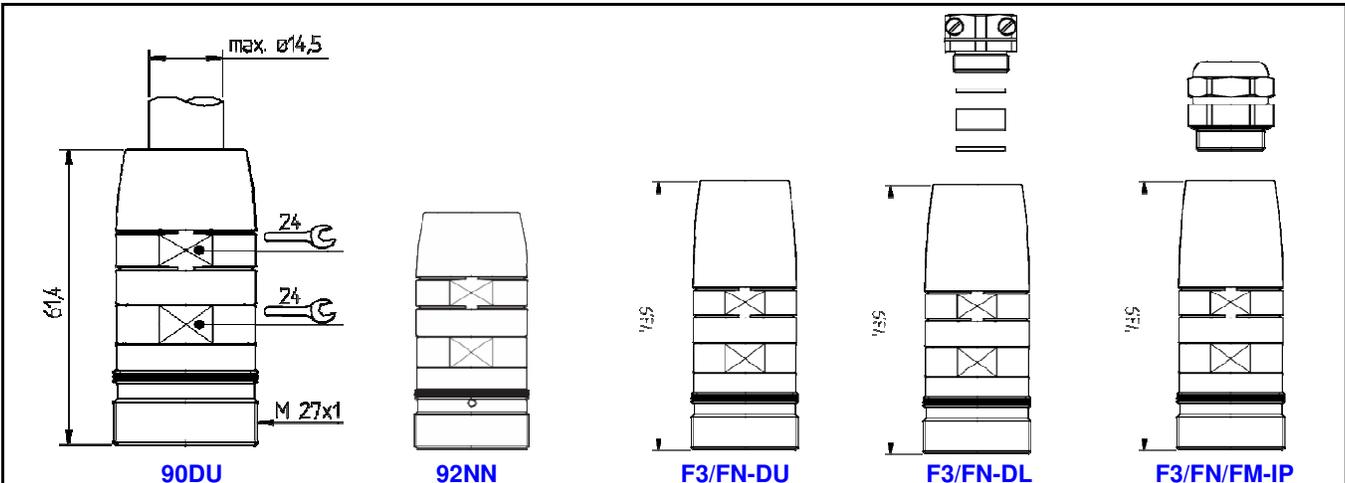
Caps and accessories: pages B-H-01...
Mounting tools: pages B-E-01...
Assembly instructions: page B-D-10
Crimp tools for contacts: pages B-B-01...
Crimp contacts: page B-C-10...

We also deliver as a connector set.
 Connector with crimp insert - and
 the contacts are separate included.
 Please ask for P/N

Part Number	HC-	X	X	X	X	X	X	X	X	X	X	X	-	X	X
Please fill in the first seven digits of your desired connector insert (26 or 28 positions) See pages B-A-40...															
Connector with integrated strain relief and univ. seal ring 3-14.5 mm Ø															
Connector with closed endbell for termination purposes															
Connectors with integrated strain relief, universal seal ring and.....															
endbell without cable gland, open threading PG 13.5															
endbell with double lever cable gland PG 13.5 (10-14 mm)															
endbell with IP 68 cable gland PG 13.5 (8-13 mm)															
endbell without cable gland, open threading PG 16															
endbell with double lever cable gland PG 16 (11-15 mm)															
endbell with IP 68 cable gland PG 16 (8-14 mm)															
endbell without cable gland, open threading M25															
endbell with IP 68 cable gland M25 (11-18 mm)															



Shielded Connectors M27 Series HC
fits all HC Connectors with female coupling nut
Shell style 9/F



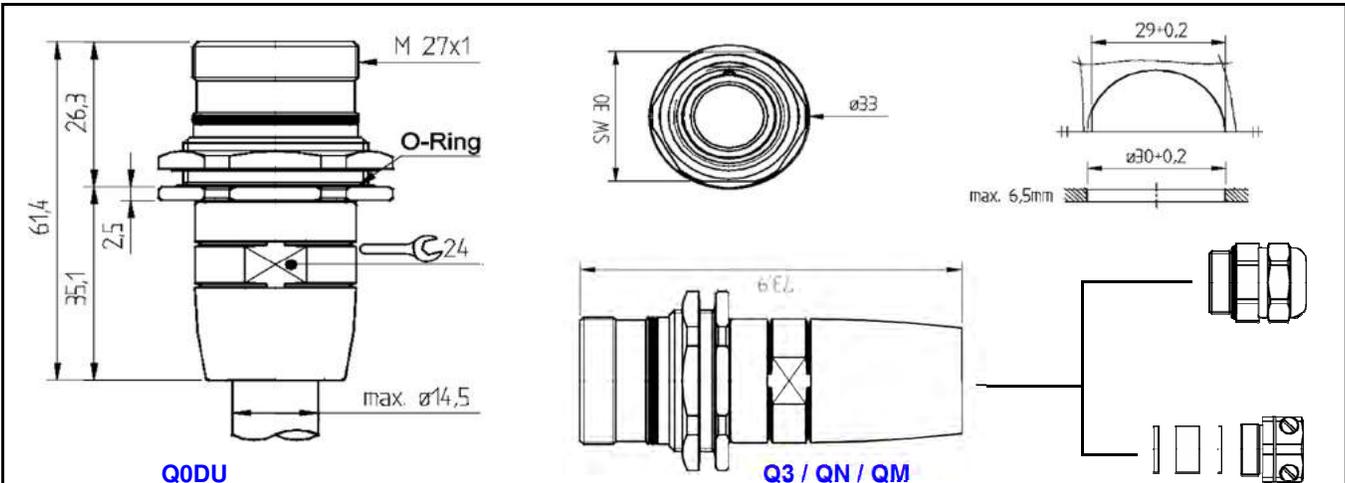
Caps and accessories: pages B-H-01...
Mounting tools: pages B-E-01...
Assembly instructions: page B-D-10
Crimp tools for contacts: pages B-B-01...
Crimp contacts: page B-C-10...

We also deliver as a connector set.
 Connector with crimp insert - and
 the contacts are separate included.
 Please ask for P/N

Part Number	HC-	X	X	X	X	X	X	X	X	X	X	-	X	X
Please fill in the first seven digits of your desired connector insert (26 or 28 positions) See pages B-A-40...														
Connector with integrated strain relief and univ. seal ring 3-14.5 mm Ø														
Connector with closed endbell for termination purposes														
Connectors with integrated strain relief, universal seal ring and.....														
endbell without cable gland, open threading PG 13.5														
endbell with double lever cable gland PG 13.5 (10-14 mm)														
endbell with IP 68 cable gland PG 13.5 (8-13 mm)														
endbell without cable gland, open threading PG 16														
endbell with double lever cable gland PG 16 (11-15 mm)														
endbell with IP 68 cable gland PG 16 (8-14 mm)														
endbell without cable gland, open threading M25														
endbell with IP 68 cable gland M25 (11-18 mm)														



Shielded Connectors M27 Series HC
fits all HC Connectors with female coupling nut
Shell style Q

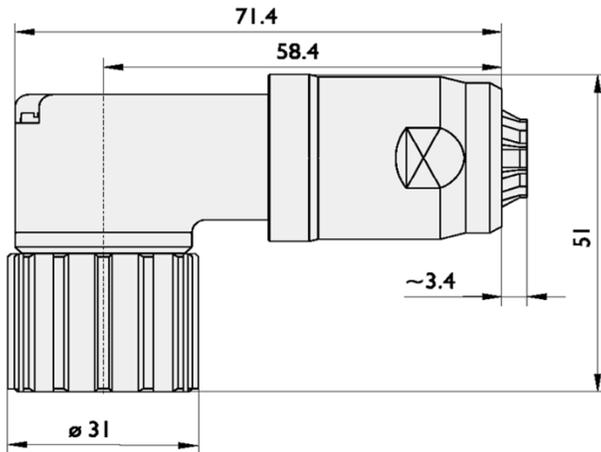


Caps and accessories: pages B-H-01...
Mounting tools: pages B-E-01...
Assembly instructions: page B-D-10
Crimp tools for contacts: pages B-B-01...
Crimp contacts: page B-C-10...

We also deliver as a connector set.
 Connector with crimp insert - and
 the contacts are separate included.
 Please ask for P/N

Part Number	HC-	X	X	X	X	X	X	X	X	X	X	X	-	X	X
Please fill in the first seven digits of your desired connector insert (26 or 28 positions) See pages B-A-40...															
Connector with integrated strain relief and univ. seal ring 3-14.5 mm Ø		Q 0 D U													
Connectors with integrated strain relief, universal seal ring and.....															
endbell without cable gland, open threading PG 13.5		Q 3 D U													
endbell with double lever cable gland PG 13.5 (10-14 mm)		Q 3 D U - D L													
endbell with IP 68 cable gland PG 13.5 (8-13 mm)		Q 3 D U - I P													
endbell without cable gland, open threading PG 16		Q N D U													
endbell with double lever cable gland PG 16 (11-15 mm)		Q N D U - D L													
endbell with IP 68 cable gland PG 16 (8-14 mm)		Q N D U - I P													
endbell without cable gland, open threading M25		Q M 2 5													
endbell with IP 68 cable gland M25 (11-18 mm)		Q M 2 5 - I P													

Shielded Connectors M27 Series HC
fits all HC Connectors with male thread
Shell style WIDU



with integrated strain relief

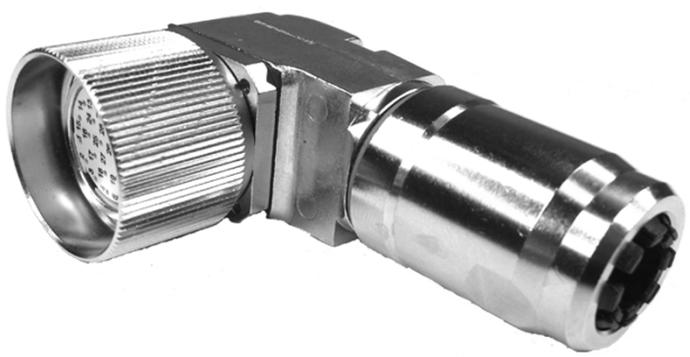
cable entry 7-14.5 mm

Caps and accessories: pages B-H-01...
Mounting tools: N/A
Assembly instructions: page B-D-09
Crimp tools for contacts: pages B-B-01...
Crimp contacts: page B-C-10...

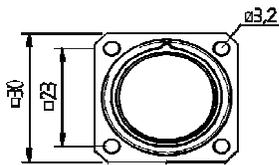
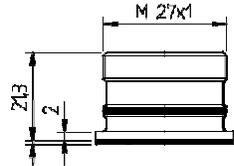
We also deliver as a connector set.
 Connector with crimp insert - and
 the contacts are separate included.
 Please ask for P/N

Part Number	HC-	X	X	X	X	X	X	X	W	I	D	U
--------------------	------------	---	---	---	---	---	---	---	----------	----------	----------	----------

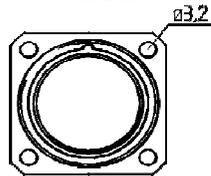
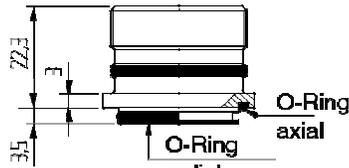
Please fill in the first seven digits of your
 desired connector insert (26 or 28 positions)
 See pages B-A-40...



Shielded Connectors M27 Series HC
fits all HC Connectors with female coupling nut
Shell style 2 and W • front mount •

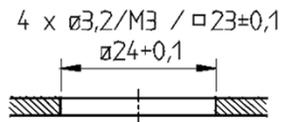


style 2

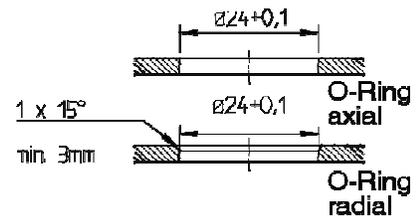


style W

mounting style 2



mounting style W



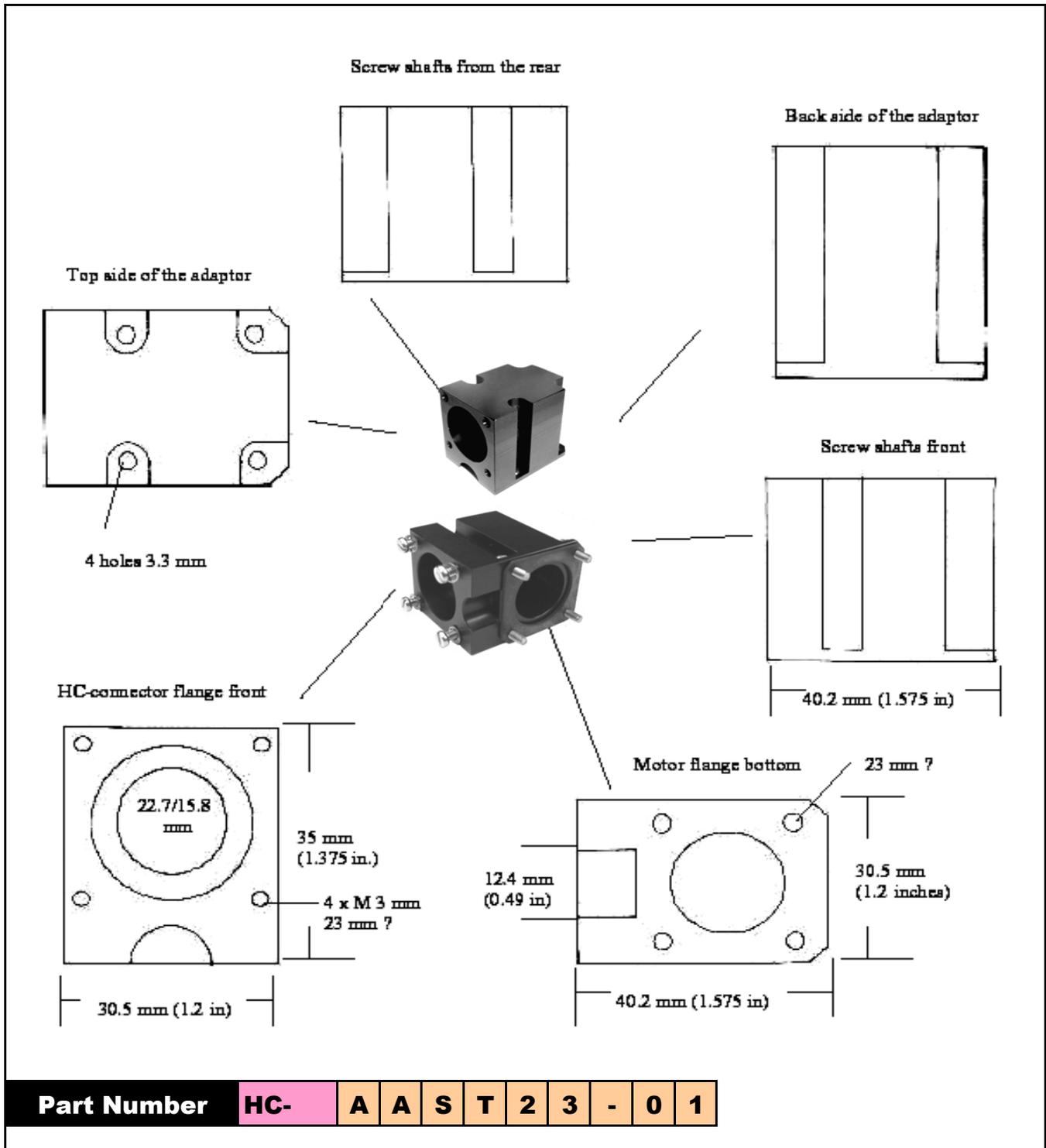
Caps and accessories: pages B-H-01...
 Mounting tools: N/A
 Assembly instructions: N/A
 Crimp tools for contacts: pages B-B-01...
 Crimp contacts: page B-C-10...

We also deliver as a connector set.
 Connector with crimp insert - and the contacts are separate included.
 Please ask for P/N

Part Number	HC-	X	X	X	X	X	X	X	X	X	X	X	X
Please fill in the first seven digits of your desired connector insert (26 or 28 positions) See pages B-A-40...B-A-44													
<p>style WA00</p>													
<p>style 2300</p>													
<p>2 3 0 0 front mount square flange with gasket 4 holes 3.2 mm Ø</p> <p>W B 0 0 front mount square flange 4 holes 3.2 mm Ø with radial O-ring</p> <p>W A 0 0 front mount square flange 4 holes 3.2 mm Ø with axial O-ring</p>													

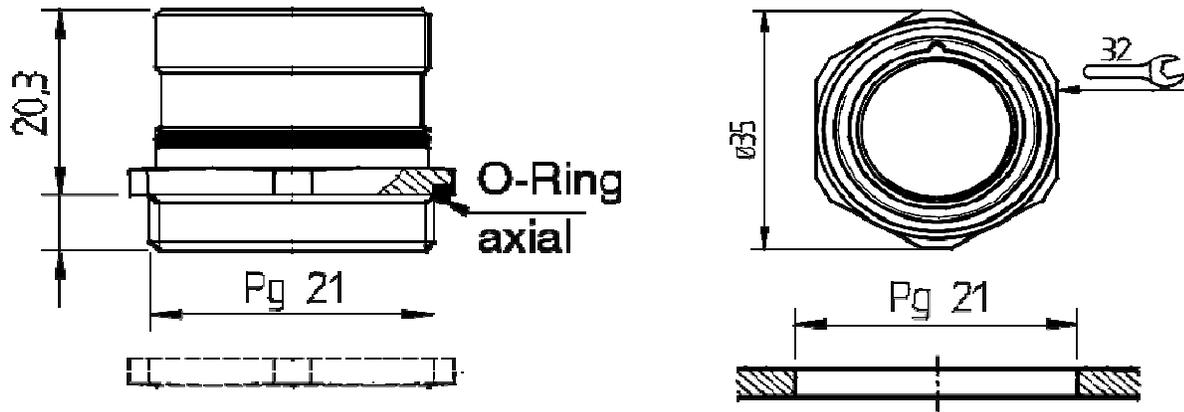
Adaptor for HC Connectors M27
fits HC-xxxxxxx2300

- front mount •





Shielded Connectors M27 Series HC
fits all HC Connectors with female coupling nut
Shell style 6 • front mount •



Caps and accessories: pages B-H-01...
Mounting tools: N/A
Assembly instructions: N/A
Crimp tools for contacts: pages B-B-01...
Crimp contacts: page B-C-10...

We also deliver as a connector set.
 Connector with crimp insert - and
 the contacts are separate included.
 Please ask for P/N

Part Number	HC-	X	X	X	X	X	X	X	6	X	X	X										
Please fill in the first seven digits of your desired connector insert (26 or 28 positions) See pages B-A-40...B-A-44																						
 style 6300		 style 6LNU																				
		<table border="1"> <tr> <td>3 0 0</td> <td>thread length 6 mm brass, nickel, w/o nut</td> </tr> <tr> <td>3 N U</td> <td>thread length 6 mm brass, nickel, with hex nut</td> </tr> <tr> <td>L 0 0</td> <td>thread length 10 mm brass, nickel, w/o nut</td> </tr> <tr> <td>L N U</td> <td>thread length 10 mm brass, nickel, with hex nut</td> </tr> <tr> <td>S N U</td> <td>thread length 10 mm stainless steel, w. hex nut</td> </tr> </table>											3 0 0	thread length 6 mm brass, nickel, w/o nut	3 N U	thread length 6 mm brass, nickel, with hex nut	L 0 0	thread length 10 mm brass, nickel, w/o nut	L N U	thread length 10 mm brass, nickel, with hex nut	S N U	thread length 10 mm stainless steel, w. hex nut
3 0 0	thread length 6 mm brass, nickel, w/o nut																					
3 N U	thread length 6 mm brass, nickel, with hex nut																					
L 0 0	thread length 10 mm brass, nickel, w/o nut																					
L N U	thread length 10 mm brass, nickel, with hex nut																					
S N U	thread length 10 mm stainless steel, w. hex nut																					



Member of the Phoenix Contact Group

S M Series M40

Shielded Power Connectors M40

Shielded Power Connectors M40 Series SM

Technical Data



Shell material

Machined components: Copper-Zinc alloy (CuZn)
 die cast components: Zinc (GD-Zn)
 Shell plating: Nickel (Ni) plated
 Cable entry: max. 26.5 mm



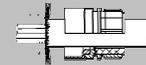
Insulator

Connector inserts: Polyamide (PA66) UL 94 V0

Contacts

Contact material: Copper-Zinc alloy (CuZn)
 Contact plating: Nickel (Ni) with gold (Au) passivated
 Contact termination: crimp type

All connectors with different shielding material for different jacket and shield diameters.



Sealing

Sealing rings: Fluor rubber FPM
 Gaskets: Fluor rubber FPM

Temperature

Temperature (long term) Celsius: - 20 °C up to + 125°C
 Temperature (long term) Fahrenheit: - 4 °F up to + 257 °F



Mating

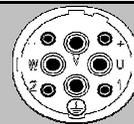
Mating cycles: Standard min. 50
 Female coupling nuts: M40 screw locking/Speedcon
 Male receptacles: M40 screw locking/Speedcon

Protection

Protection class : IP 67 (mated) depends on which cable gland is used



EMC
shielding

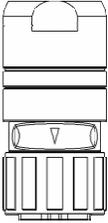
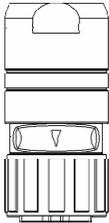
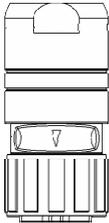
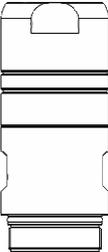
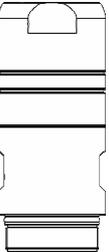
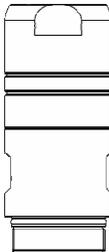
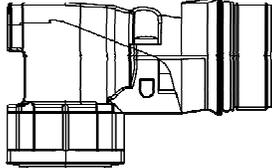
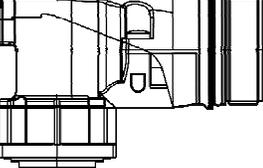
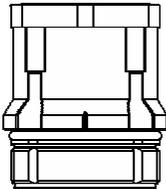


Number of positions	6	8			
Number of contacts	2 + 3 + PE	4 + 3 + PE			
Contact dia. (mm Ø)	2 + 3.6 + 3.6	2 + 3.6 + 3.6			
Rated current at 25° (A)	9/65	9/65			
Rated voltage (V)	250/630	250/630			
Test voltage (V)	4,000/6,000	4,000/6,000			
Surge voltage category	III	III			
Installation altitude above sea level	3,000 m	3,000 m			
Wiring size AWG	26-12	26-12			
Wiring size AWG	18-8	18-8			



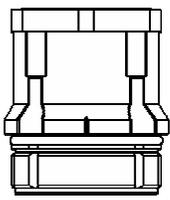
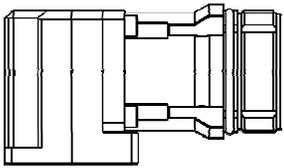
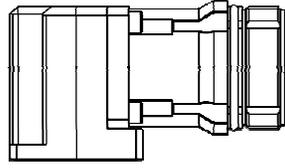
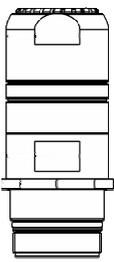
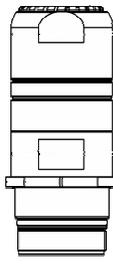
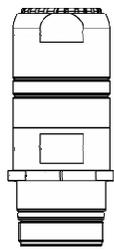
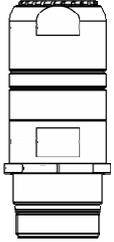
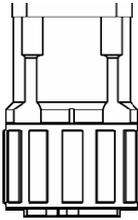
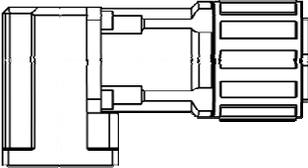
Shielded Power Connectors M40 Series SM

Shell styles 8, 8L, 8LS, 9, 9L, 9LS, AD, ADS, WA

SM-xxxxxxx8xxx page C-Q-05	SM-xxxxxxx8Lxx page C-Q-06	SM-xxxxxxx8LxxS page C-Q-06
Cable connector, straight with female coupling nut cable entry max. 25.5 mm universal shielding material	Cable connector, straight with female coupling nut cable entry max. 25.5 mm universal shielding material	Cable connector, straight with female coupling nut cable entry max. 26.5 mm universal shielding material
 style 8	 style 8L	  style 8L/8S
SM-xxxxxxx9xxx page C-Q-07	SM-xxxxxxx9Lxx page C-Q-08	SM-xxxxxxx9LxxS page C-Q-08
Cable connector, straight with male thread cable entry max. 25.5 mm universal shielding material	Cable connector, straight with male thread cable entry max. 25.5 mm universal shielding material	Cable connector, straight with male thread cable entry max. 26.5 mm universal shielding material
 style 9	 style 9L	  style 9L/9S
SM-xxxxxxxADxx page C-Q-09	SM-xxxxxxxADxxS page C-Q-09	SM-xxxxxxxWAXx page C-Q-10
Panel connector, right angled square flange with 4 holes front mount, O-ring axial with male thread, rotatable	Panel connector, right angled square flange with 4 holes front mount, O-ring axial with male thread, rotatable	Panel connector, straight square flange with 4 holes front mount, O-ring axial with male thread
  style AD	   style ADS	 style WA

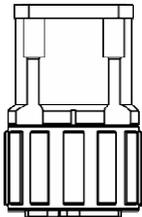
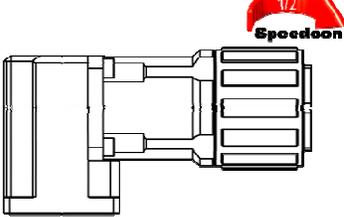
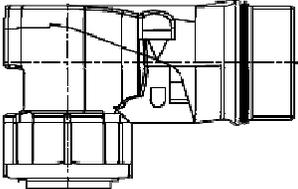
Shielded Power Connectors M40 Series SM

Shell styles WT, AF, A2, C0, CL, Q0, QL, Y0, YW

SM-xxxxxxxWTxx page C-Q-10	SM-xxxxxxxAFxx page C-Q-11	SM-xxxxxxxA2xx page C-Q-11
Panel connector, straight square flange with 4 holes front mount, O-ring axial with male thread	Panel connector, right angled square flange with 4 holes front mount, O-ring axial with male thread, fixed	Panel connector, right angled square flange with 4 holes front mount, O-ring axial with male thread, fixed
 style WT	 style AF	 style A2
SM-xxxxxxxC0xx page C-Q-12	SM-xxxxxxxCLxx page C-Q-12	SM-xxxxxxxQ0xx page C-Q-13
Cable connector, straight with male thread cable entry max. 25.5 mm with square flange, short body	Cable connector, straight with male thread cable entry max. 25.5 mm with square flange, long body	Cable connector, straight with male thread cable entry max. 25.5 mm round flange, short body
 style C0	 style CL	 style Q0
SM-xxxxxxxQLxx page C-Q-13	SM-xxxxxxxY0xx page C-Q-14	SM-xxxxxxxYWxx page C-Q-14
Cable connector, straight with male thread cable entry max. 25.5 mm round flange, long body	Panel connector, straight square flange with 4 holes front mount, O-ring axial with female coupling nut	Panel connector, right angled square flange with 4 holes front mount, O-ring axial with female coupling nut
 style QL	 style Y0	 style YW

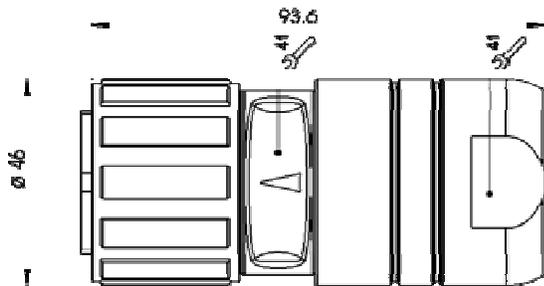
Shielded Power Connectors M40 Series SM
Shell styles Y0xxS, YWxxS, A700



SM-xxxxxxxY0xxS page C-Q-14	SM-xxxxxxxYWxxS page C-Q-14	SM-xxxxxxxA700 page C-Q-15
Panel connector, straight square flange with 4 holes front mount, O-ring axial with female coupling nut	Panel connector, right angled square flange with 4 holes front mount, O-ring axial with female coupling nut	Panel connector, right angled square flange with 4 holes front mount, O-ring axial with male thread
 <p style="text-align: center;">style Y0</p>	 <p style="text-align: center;">style YW</p>	<p style="text-align: center;">rotatable</p>  <p style="text-align: center;">style A700</p>



Shielded Power Connectors M40 Series SM
fits all SM Connectors with male thread
Shell style 8 short body



Caps and accessories: pages B-H-06...B-H-07
Mounting tools: N/A
Assembly instructions: page B-D-32
Crimp tools for contacts: pages B-B-03...
Crimp contacts: pages B-C-50...

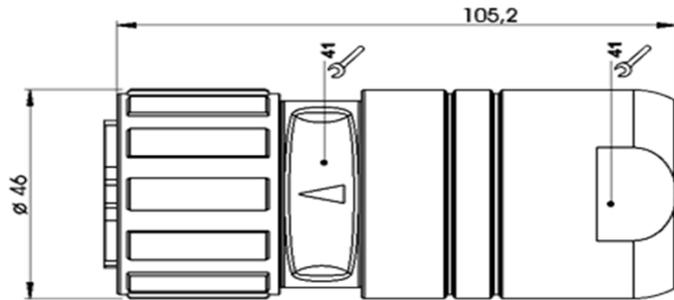
We also deliver as a connector set.
 Connector with crimp insert - and
 the contacts are separate included.
 Please ask for P/N



Part Number	SM-	X	X	X	X	X	X	X	X	X	X	X
6 pos. (2+3+PE) female		5	E	S	1	N	8	A				
8 pos. (4+3+PE) female		7	E	S	1	N	8	A				
Please fill in the P/N of your desired connector crimp insert without contacts.												
Connectors with integrated strain relief, and....												
seal ring for cable diameters from 9.0 up to 12.5 mm									8	0	0	2
seal ring for cable diameters from 12.5 up to 17.0 mm									8	0	0	3
seal ring for cable diameters from 17.0 up to 21.0 mm									8	0	0	4
seal ring for cable diameters from 21.0 up to 25.5 mm									8	0	0	5



Shielded Power Connectors M40 Series SM
fits all SM Connectors with male thread
Shell style 8 long body



Caps and accessories: pages B-H-01...
Mounting tools: N/A
Assembly instructions: page B-D-32
Crimp tools for contacts: pages B-B-03...
Crimp contacts: pages B-C-50...

We also deliver as a connector set.
 Connector with crimp insert - and
 the contacts are separate included.
 Please ask for P/N



Part Number	SM-	X	X	X	X	X	X	X	X	X	X	X	X
-------------	-----	---	---	---	---	---	---	---	---	---	---	---	---

6 pos. (2+3+PE) female		5	E	S	1	N	8	A
8 pos. (4+3+PE) female		7	E	S	1	N	8	A

Please fill in the P/N of your desired connector crimp insert without contacts.

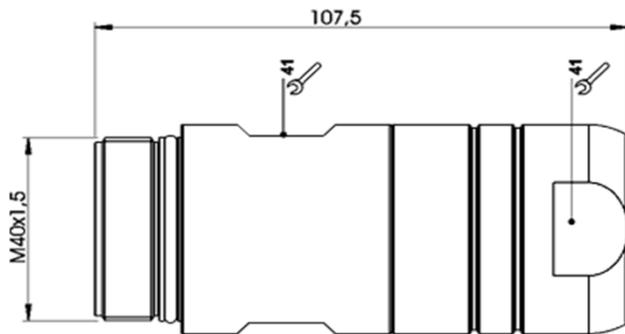
Connectors with integrated strain relief, and....

seal ring for cable diameters from 9.0 up to 14.0 mm		8	S	2	2
seal ring for cable diameters from 14.0 up to 20.5 mm		8	S	2	3
seal ring for cable diameters from 20.5 up to 26.5 mm		8	S	2	4
seal ring for cable diameters from 9.0 up to 14.0 mm	new	8	L	3	2 S
seal ring for cable diameters from 14.0 up to 20.5 mm	new	8	L	3	3 S
seal ring for cable diameters from 20.5 up to 26.5 mm	new	8	L	3	4 S





Shielded Power Connectors M40 Series SM
fits all SM Connectors with female coupling nut
Shell style 9 short body



Caps and accessories: pages B-H-01...
Mounting tools: N/A
Assembly instructions: page B-D-32
Crimp tools for contacts: pages B-B-03...
Crimp contacts: pages B-C-50...

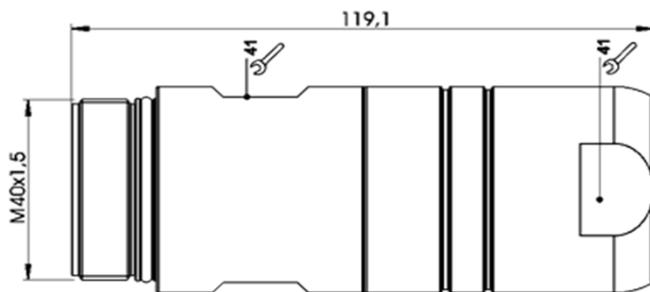
We also deliver as a connector set.
 Connector with crimp insert - and
 the contacts are separate included.
 Please ask for P/N



Part Number	SM-	X	X	X	X	X	X	X	X	X	X	X
6 pos. (2+3+PE) male		5	E	P	1	N	8	A				
8 pos. (4+3+PE) male		7	E	P	1	N	8	A				
Please fill in the P/N of your desired connector crimp insert without contacts.												
Connectors with integrated strain relief, and....												
seal ring for cable diameters from 9.0 up to 12.5 mm									9	0	0	2
seal ring for cable diameters from 12.5 up to 17.0 mm									9	0	0	3
seal ring for cable diameters from 17.0 up to 21.0 mm									9	0	0	4
seal ring for cable diameters from 21.0 up to 25.5 mm									9	0	0	5



Shielded Power Connectors M40 Series SM
fits all SM Connectors with female coupling nut
Shell style 9 long body



Caps and accessories: pages B-H-01...
Mounting tools: N/A
Assembly instructions: page B-D-32
Crimp tools for contacts: pages B-B-03...
Crimp contacts: pages B-C-50...

We also deliver as a connector set.
 Connector with crimp insert - and
 the contacts are separate included.
 Please ask for P/N



Part Number	SM-	X	X	X	X	X	X	X	X	X	X	X	X
-------------	-----	---	---	---	---	---	---	---	---	---	---	---	---

6 pos. (2+3+PE) male		5	E	P	1	N	8	A
8 pos. (4+3+PE) male		7	E	P	1	N	8	A

Please fill in the P/N of your desired connector crimp insert without contacts.

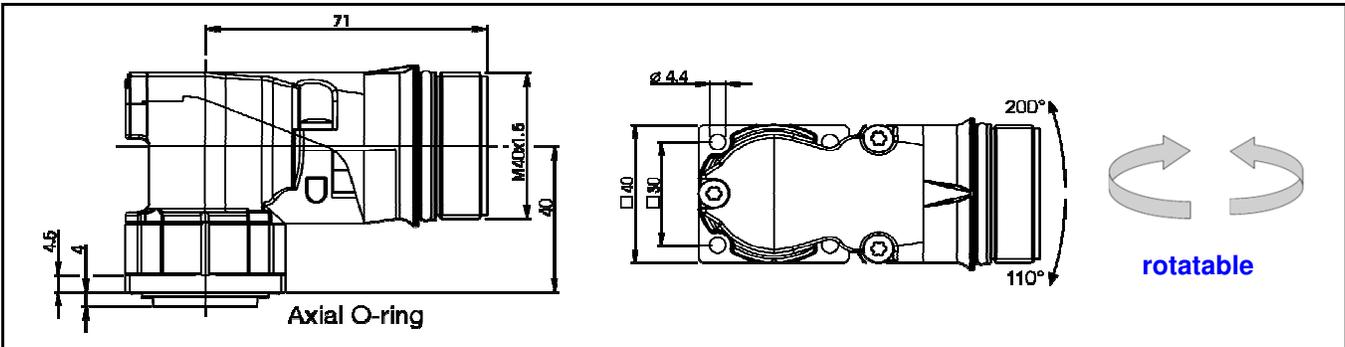
Connectors with integrated strain relief, and....

seal ring for cable diameters from 9.0 up to 12.5 mm		9	L	0	2	
seal ring for cable diameters from 12.5 up to 17.0 mm		9	L	0	3	
seal ring for cable diameters from 17.0 up to 21.0 mm		9	L	0	4	
seal ring for cable diameters from 21.0 up to 25.5 mm		9	L	0	5	
seal ring for cable diameters from 9.0 up to 14.0 mm	new	9	L	3	2	S
seal ring for cable diameters from 14.0 up to 20.5 mm	new	9	L	3	3	S
seal ring for cable diameters from 20.5 up to 26.5 mm	new	9	L	3	4	S





Shielded Power Connectors M40 Series SM
fits all SM Connectors with female coupling nut
Shell style AD • front mount •



Caps and accessories: pages B-H-06...B-H-07
Mounting tools: N/A
Assembly instructions: page B-D-33
Crimp tools for contacts: pages B-B-03...
Crimp contacts: pages B-C-50...

We also deliver as a connector set. Connector with crimp insert - and the contacts are separate included. Please ask for P/N

Part Number	SM-	X	X	X	X	X	X	X	X	X	X	X	X
-------------	-----	---	---	---	---	---	---	---	---	---	---	---	---

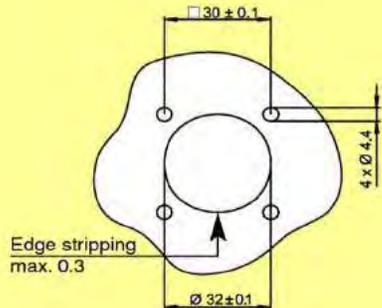
6 pos. (2+3+PE) male		5	E	P	W	N	8	A
8 pos. (4+3+PE) male		7	E	P	W	N	8	A

Please fill in the P/N of your desired connector crimp insert without contacts.



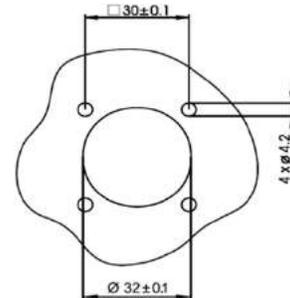
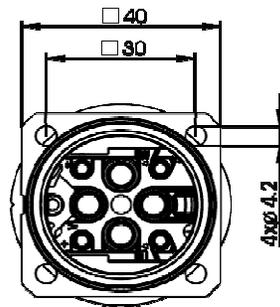
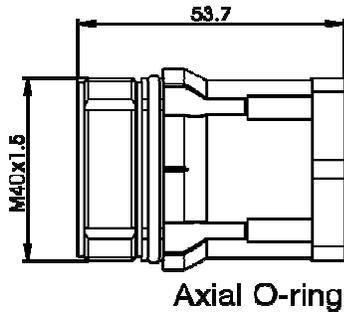
Panel connector, front mount right angled, with axial O-ring flange rotatable to be phased out **A D 0 0**

Panel connector, front mount right angled, with axial O-ring flange rotatable new version **A D 0 0 S**
 Speedcon Version





Shielded Power Connectors M40 Series SM
fits all SM Connectors with female coupling nut
Shell style WA/WT • front mount •



Caps and accessories: pages B-H-01...
Mounting tools: N/A
Assembly instructions: page B-D-35
Crimp tools for contacts: pages B-B-03...
Crimp contacts: pages B-C-50...

We also deliver as a connector set. Connector with crimp insert - and the contacts are separate included. Please ask for P/N



Part Number	SM-	X	X	X	X	X	X	X	X	X	X	X
-------------	-----	---	---	---	---	---	---	---	---	---	---	---

6 pos. (2+3+PE) male		5	E	P	W	N	8	A				
8 pos. (4+3+PE) male		7	E	P	W	N	8	A				

Please fill in the P/N of your desired connector crimp insert without contacts.

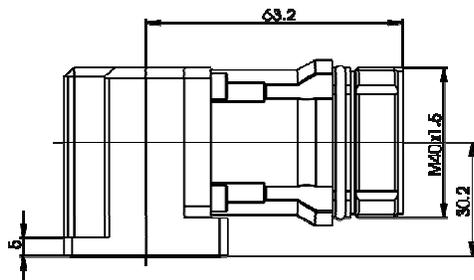
Panel connector, front mount straight, fixed, with axial O-ring square flange, 4 holes 4.2 mm Ø to be phased out **W A 0 0**

Panel connector, front mount straight, fixed, with axial O-ring square flange, 4 holes 4.2 mm Ø new version **W T 0 0**
 Speedcon Version

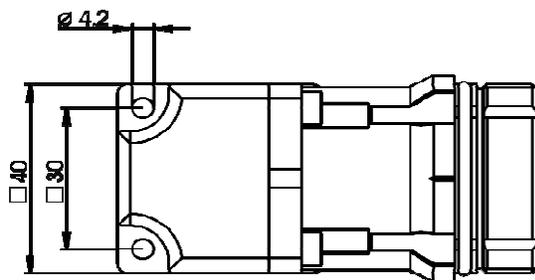




Shielded Power Connectors M40 Series SM
fits all SM Connectors with female coupling nut
Shell style AF/A2 • front mount •



Axial O-ring



Caps and accessories: pages B-H-01...
Mounting tools: N/A
Assembly instructions: page B-D-33
Crimp tools for contacts: pages B-B-03...
Crimp contacts: pages B-C-50...

We also deliver as a connector set.
 Connector with crimp insert - and
 the contacts are separate included.
 Please ask for P/N



Part Number	SM-	X	X	X	X	X	X	X	X	X	X
-------------	-----	---	---	---	---	---	---	---	---	---	---

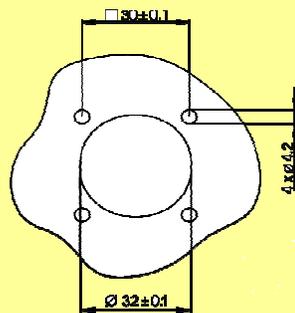
6 pos. (2+3+PE) male		5	E	P	W	N	8	A
8 pos. (4+3+PE) male		7	E	P	W	N	8	A

Please fill in the P/N of your desired connector crimp insert without contacts.



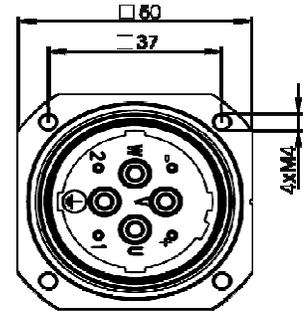
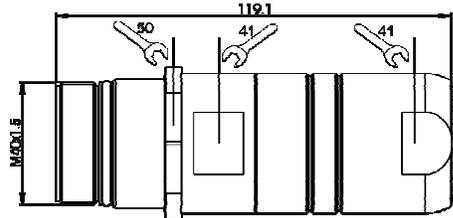
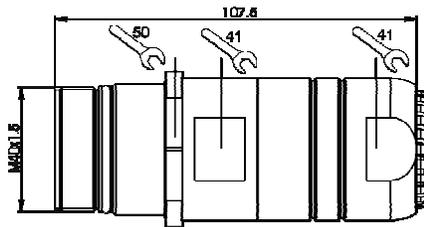
Panel connector, front mount angled, fixed, with axial O-ring square flange, 4 holes 4.2 mm Ø to be phased out **A F 0 0**

Panel connector, front mount angled, fixed, with axial O-ring square flange, 4 holes 4.2 mm Ø Speedcon Version new version **A 2 0 0**





Shielded Power Connectors M40 Series SM
fits all SM Connectors with female coupling nut
Shell style C0, CL • rear mount •



Caps and accessories: pages B-H-01...
Mounting tools: N/A
Assembly instructions: page B-D-34
Crimp tools for contacts: pages B-B-03...
Crimp contacts: pages B-C-50...

We also deliver as a connector set.
 Connector with crimp insert - and
 the contacts are separate included.
 Please ask for P/N



Part Number	SM-	X	X	X	X	X	X	X	X	X	X	X
-------------	-----	---	---	---	---	---	---	---	---	---	---	---

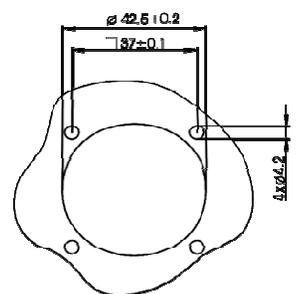
6 pos. (2+3+PE) male		5	E	P	1	N	8	A				
8 pos. (4+3+PE) male		7	E	P	1	N	8	A				

Please fill in the P/N of your desired connector crimp insert without contacts.



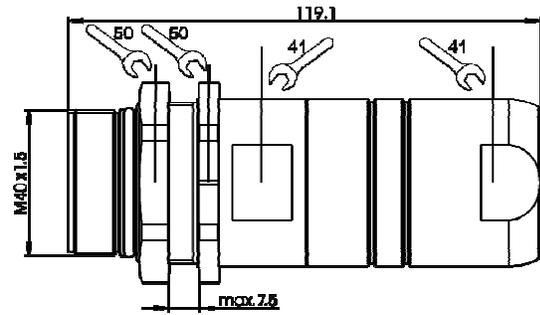
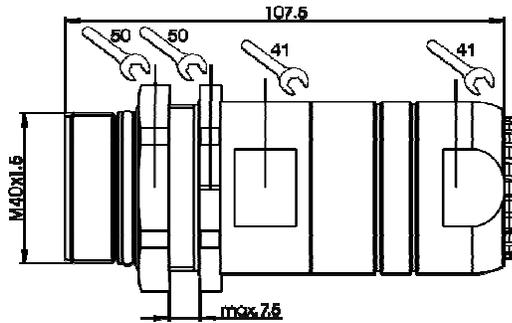
Connectors with integrated strain relief, and....

short body, seal ring for cable diameters from 9.0 up to 12.5 mm	C	0	0	2
short body, seal ring for cable diameters from 12.5 up to 17.0 mm	C	0	0	3
short body, seal ring for cable diameters from 17.0 up to 21.0 mm	C	0	0	4
short body, seal ring for cable diameters from 21.0 up to 25.5 mm	C	0	0	5
long body, seal ring for cable diameters from 9.0 up to 12.5 mm	C	L	0	2
long body, seal ring for cable diameters from 12.5 up to 17.0 mm	C	L	0	3
long body, seal ring for cable diameters from 17.0 up to 21.0 mm	C	L	0	4
long body, seal ring for cable diameters from 21.0 up to 25.5 mm	C	L	0	5





Shielded Power Connectors M40 Series SM
fits all SM Connectors with female coupling nut
Shell style Q0, QL • rear mount •



Caps and accessories: pages B-H-01...
Mounting tools: N/A
Assembly instructions: page B-D-34
Crimp tools for contacts: pages B-B-03...
Crimp contacts: pages B-C-50...

We also deliver as a connector set.
 Connector with crimp insert - and
 the contacts are separate included.
 Please ask for P/N



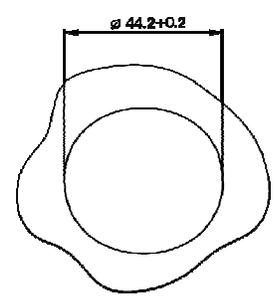
Part Number	SM-	X	X	X	X	X	X	X	X	X	X	X
-------------	-----	---	---	---	---	---	---	---	---	---	---	---

6 pos. (2+3+PE) male		5	E	P	1	N	8	A
8 pos. (4+3+PE) male		7	E	P	1	N	8	A

Please fill in the P/N of your desired connector crimp insert without contacts.

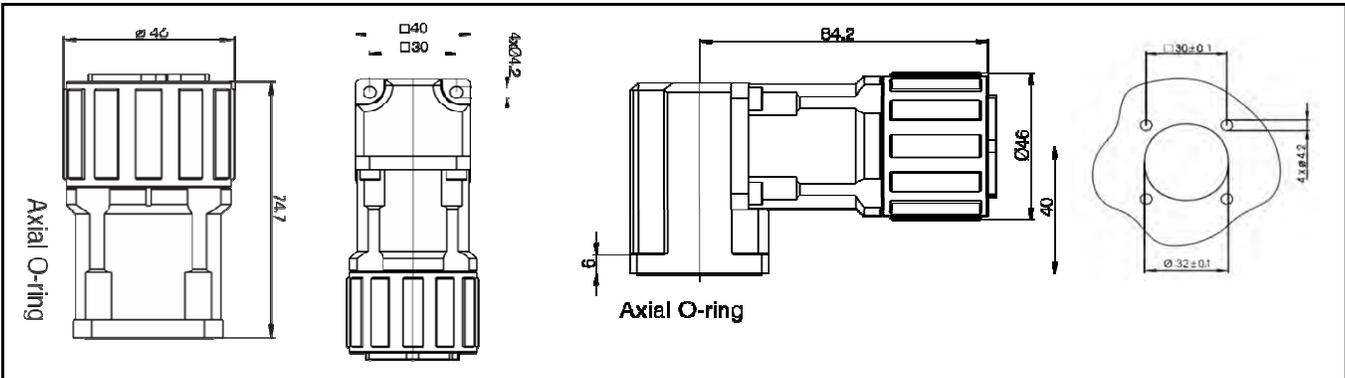
Connectors with integrated strain relief, and....

short body, seal ring for cable diameters from 9.0 up to 12.5 mm	Q	0	0	2
short body, seal ring for cable diameters from 12.5 up to 17.0 mm	Q	0	0	3
short body, seal ring for cable diameters from 17.0 up to 21.0 mm	Q	0	0	4
short body, seal ring for cable diameters from 21.0 up to 25.5 mm	Q	0	0	5
long body, seal ring for cable diameters from 9.0 up to 12.5 mm	Q	L	0	2
long body, seal ring for cable diameters from 12.5 up to 17.0 mm	Q	L	0	3
long body, seal ring for cable diameters from 17.0 up to 21.0 mm	Q	L	0	4
long body, seal ring for cable diameters from 21.0 up to 25.5 mm	Q	L	0	5





Shielded Power Connectors M40 Series SM
fits all SM Connectors with male thread
Shell style Y0, YW



Caps and accessories: pages B-H-01...
Mounting tools: N/A
Assembly instructions: page B-D-29
Crimp tools for contacts: pages B-B-03...
Crimp contacts: pages B-C-50...

We also deliver as a connector set. Connector with crimp insert - and the contacts are separate included. Please ask for P/N

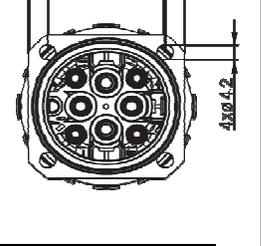
Part Number	SM-	X	X	X	X	X	X	X	X	X	X	X	X
-------------	-----	---	---	---	---	---	---	---	---	---	---	---	---

6 pos. (2+3+PE) female		5	E	S	1	N	8	A					
8 pos. (4+3+PE) female		7	E	S	1	N	8	A					

Please fill in the P/N of your desired connector crimp insert without contacts.

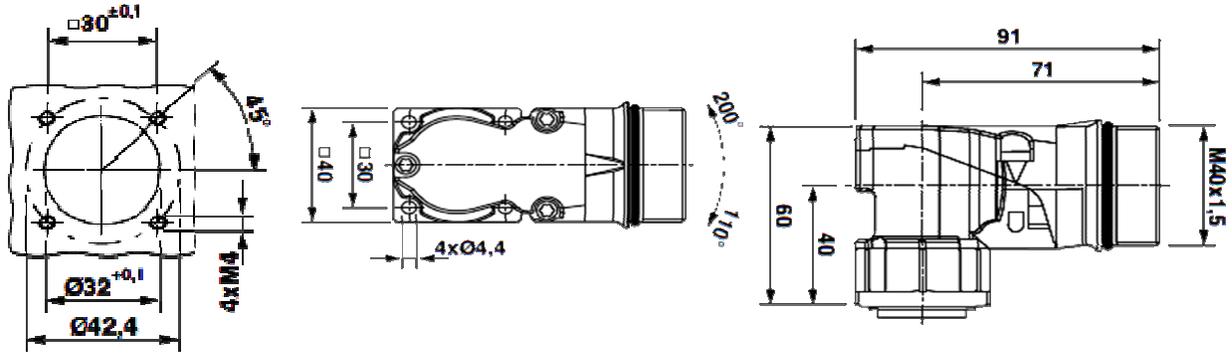


Panel connector, front mount, 4 holes 4.2 mm Ø straight body									Y	0	0	0	
Panel connector, front mount, 4 holes 4.2 mm Ø right angled body, fixed									Y	W	0	0	
Panel connector, front mount, 4 holes 4.2 mm Ø straight body									Y	0	0	0	S
Panel connector, front mount, 4 holes 4.2 mm Ø right angled body, fixed									Y	W	0	0	S





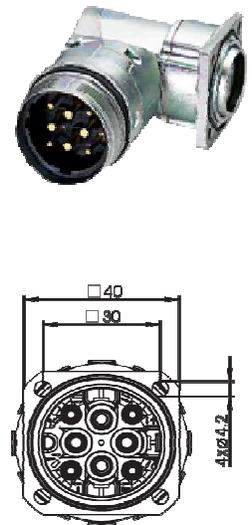
Shielded Power Connectors M40 Series SM
fits all SM Connectors with female coupling nut
Shell style A700



Caps and accessories: pages B-H-01...
Mounting tools: N/A
Assembly instructions: page B-D-33
Crimp tools for contacts: pages B-B-03...
Crimp contacts: pages B-C-50...

We also deliver as a connector set.
 Connector with crimp insert - and
 the contacts are separate included.
 Please ask for P/N

Part Number	SM-	X	X	X	X	X	X	X	X	X	X	X
6 pos. (2+3+PE) female		5	E	S	1	N	8	A				
8 pos. (4+3+PE) female		7	E	S	1	N	8	A				
Please fill in the P/N of your desired connector crimp insert without contacts.												
Panel connector, front mount, 4 holes 4.2 mm Ø right angled body, rotatable									A 7 0 0			





Member of the Phoenix Contact Group

S L Series M58

Shielded Power Connectors M58

Shielded Power Connectors M58 Series SL

Technical Data



Shell material

Machined components: Aluminum, anodized

Cable entry: max. 36 mm

Insulator

Connector inserts: Polyamide (PA66) UL 94 V0

Contacts

Contact material: Copper-Zinc alloy (CuZn)

Contact plating power and PE: silver plated (Ag)

Contact plating signal: gold plated (Au)

Contact termination: crimp type

Sealing

Sealing rings: Fluor rubber FPM

Gaskets: Fluor rubber FPM

Temperature

Temperature (long term) Celsius: - 20 °C up to + 125°C

Temperature (long term) Fahrenheit: - 4 °F up to + 257 °F

Mating

Mating cycles: Standard min. 50

Female coupling nuts: M58 screw locking

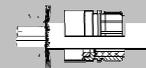
Male receptacles: M58 screw locking

Protection

Protection class : IP 67 (mated) depends on which cable gland is used



All connectors with different shielding material for different jacket and shield diameters.



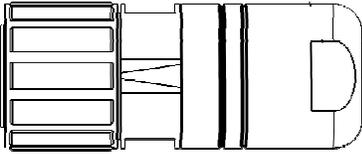
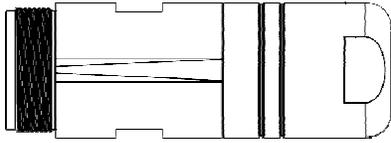
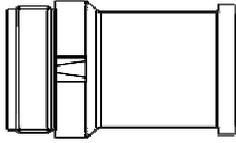
EMC
shielding



Number of positions	6	8			
Number of contacts	2 + 3 + PE	4 + 3 + PE			
Contact dia. (mm Ø)	1.6 + 10 + 10	1.6 + 10 + 10			
Rated current at 25° (A)	12/150	12/150			
Rated voltage (V)	250/630	250/630			
Test voltage (V)	4,000/6,000	4,000/6,000			
Surge voltage category	III	III			
Installation altitude above sea level	2,000 m	2,000 m			
Wiring size AWG	18-16	18-16			
Wiring size AWG	8--1	8--1			

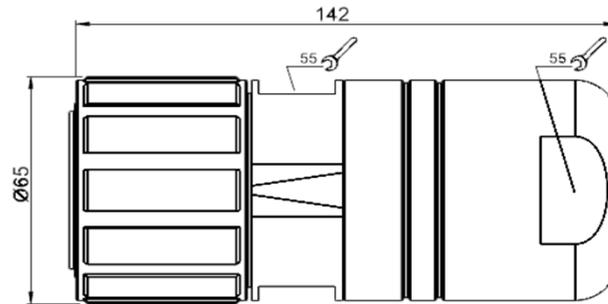
Shielded Power Connectors M58 Series SL
Shell styles 8, 9



SL-xxxxxxx8xxx page C-R-03	SL-xxxxxxx9xxx page C-R-04	SLxxxxxxxWAxx page C-R-05
Cable connector, straight with female coupling nut cable entry max. 36.0 mm universal shielding material	Cable connector, straight with male thread cable entry max. 36.0 mm universal shielding material	Panel connector, straight square flange with 4 holes 5.4 mm front mount, O-ring axial with male thread
 <p style="text-align: center;">style 8</p>	 <p style="text-align: center;">style 9</p>	 <p style="text-align: center;">style WA</p>



Shielded Power Connectors M58 Series SL
fits all SL Connectors with male thread
Shell style 8



Caps and accessories: pages B-H-01...
Mounting tools: N/A
Assembly instructions: page B-D-31
Crimp tools for contacts: pages B-B-03...
Crimp contacts: pages B-C-60...

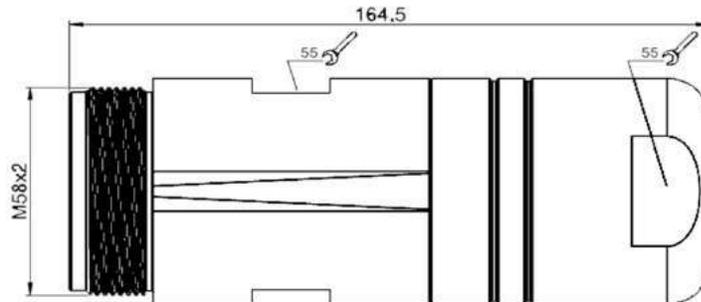
We also deliver as a connector set.
 Connector with crimp insert - and
 the contacts are separate included.
 Please ask for P/N

Part Number	SL-	X	X	X	X	X	X	X	X	X	X	X	
6 pos. (2+3+PE) female		5	E	S	1	N	8	A					
8 pos. (4+3+PE) female		7	E	S	1	N	8	A					
Please fill in the P/N of your desired connector crimp insert without contacts.													
Connectors with integrated strain relief, and....													
seal ring for cable diameters from 17.0 up to 25.0 mm										8	0	0	2
seal ring for cable diameters from 25.0 up to 36.0 mm										8	0	0	1





Shielded Power Connectors M58 Series SL
fits all SL Connectors with female coupling nut
Shell style 9



Caps and accessories: pages B-H-01...
Mounting tools: N/A
Assembly instructions: page B-D-31
Crimp tools for contacts: pages B-B-03...
Crimp contacts: pages B-C-60...

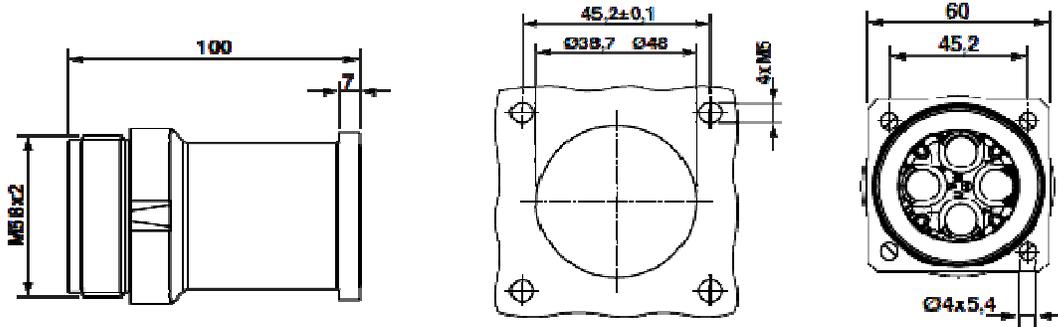
We also deliver as a connector set.
 Connector with crimp insert - and
 the contacts are separate included.
 Please ask for P/N



Part Number	SL-	X	X	X	X	X	X	X	X	X	X	X	
6 pos. (2+3+PE) male		5	E	P	1	N	8	A					
8 pos. (4+3+PE) male		7	E	P	1	N	8	A					
Please fill in the P/N of your desired connector crimp insert without contacts.													
Connectors with integrated strain relief, and....													
seal ring for cable diameters from 17.0 up to 25.0 mm										9	0	0	2
seal ring for cable diameters from 25.0 up to 36.0 mm										9	0	0	1



Shielded Power Connectors M58 Series SL
fits all SL Connectors with female coupling nut
Shell style WA



Caps and accessories: pages B-H-01...
Mounting tools: N/A
Assembly instructions: page B-D-31
Crimp tools for contacts: pages B-B-03...
Crimp contacts: pages B-C-60...

We also deliver as a connector set.
 Connector with crimp insert - and
 the contacts are separate included.
 Please ask for P/N



Part Number	SL-	X	X	X	X	X	X	X	X	X	X	X
6 pos. (2+3+PE) male		5	E	P	1	N	8	A				
8 pos. (4+3+PE) male		7	E	P	1	N	8	A				
Please fill in the P/N of your desired connector crimp insert without contacts.												
Panel connector, front mount, 4 holes 5.4 mm ø										W A 0 0		
straight body, fixed												





Member of the Phoenix Contact Group

S H Series M23

Shielded Power Connectors M23
Circular Hybrid Connectors

Shielded Power Connectors M23 Series SH

Technical Data



Shell material

Machined components: Copper-Zinc alloy (CuZn)
 die cast components: Zinc (GD-Zn)
 Shell plating: Nickel (Ni) plated
 Cable entry: max. 18 mm



Insulator

Connector inserts: Polyamide (PA66) UL 94 V0

Contacts

Contact material: Copper-Zinc alloy (CuZn)
 Contact plating: Nickel (Ni) with gold (Au) passivated
 Contact termination: crimp type

Sealing

Sealing rings: Fluor rubber FKM
 Gaskets: Fluor rubber FKM

All connectors with universal shielding material for different jacket and shield diameters.



Temperature

Temperature (long term) Celsius: - 40 °C up to + 130°C
 Temperature (long term) Fahrenheit: - 40 °F up to + 266 °F

Mating

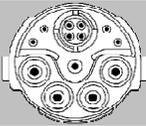
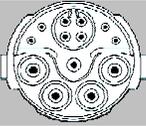
Mating cycles: Standard min. 100
 Female coupling nuts: M23 screw locking/Speedcon
 Male receptacles: M23 screw locking/Speedcon



Protection

Protection class : IP 67 (mated) depends on which cable gland is used

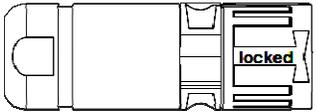
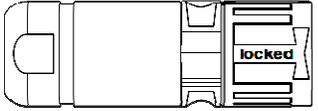
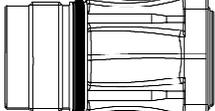
EMC
shielding

							
Number of positions	13 Pos. (8+4+PE)			13 Pos. (4+4+4+PE)			
Number of contacts	8	4	PE	4	4	4	PE
Contact dia. (mm Ø)	1	2	2	0.8	1	2	2
Rated current at 25° (A)	8	30		3.6	8	30	
Rated voltage (V)	50	630/850		50	50	630/850	
Test voltage (V)	1,500	6,000		1,500	1,500	6,000	
Surge voltage category	III			III			
Wiring size AWG	40-17	24-12	24-12	40-20	40-17	24-12	
Wiring size AWG							

Shielded Power Connectors M23 Series SH

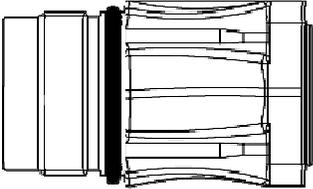
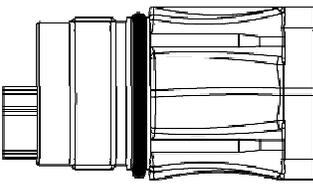
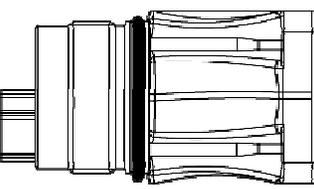
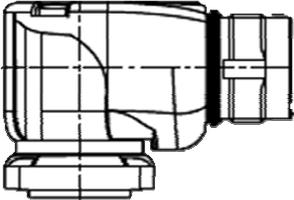
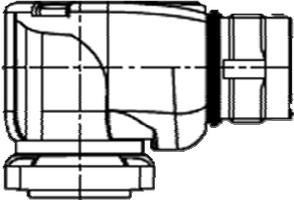
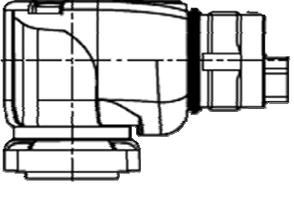
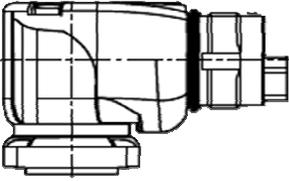
Shell styles 8, 9, W



<p>SH-8ESC58A8L page C-T-04</p>	<p>SH-8ESS48A8L page C-T-05</p>	<p>SH-8EPC58A8L page C-T-06</p>
<p>Cable connector, straight with female coupling nut cable entry max. 18 mm female contacts + CAT</p>	<p>Cable connector, straight with female coupling nut cable entry max. 18 mm female contacts + signal</p>	<p>Cable connector, straight with female coupling nut cable entry max. 18 mm male contacts + CAT</p>
 <p>Speedcon style 8</p>	 <p>Speedcon style 8</p>	 <p>Speedcon style 8</p>
<p>SH-8EPS48A8L page C-T-07</p>	<p>SH-8ESC58A9L page C-T-08</p>	<p>SH-8ESS48A9L page C-T-09</p>
<p>Cable connector, straight with female coupling nut cable entry max. 18 mm male contacts + signal</p>	<p>Cable connector, straight with male thread cable entry max. 18 mm female contacts +CAT</p>	<p>Cable connector, straight with male thread cable entry max. 18 mm female + signal</p>
 <p>Speedcon style 8</p>	 <p>style 9</p>	 <p>style 9</p>
<p>SH-8EPC58A9L page C-T-10</p>	<p>SH-8EPS48A9L page C-T-11</p>	<p>SH-8ESxxxWA00S page C-T-12</p>
<p>Cable connector, straight with male thread cable entry max. 18 mm male contacts + CAT</p>	<p>Cable connector, straight with male thread cable entry max. 18 mm mal contacts + signal</p>	<p>Panel connector, straight with male thread flat design, axial O-ring square flange 26 mm □</p>
 <p>style 9</p>	 <p>style 9</p>	 <p>style W</p>

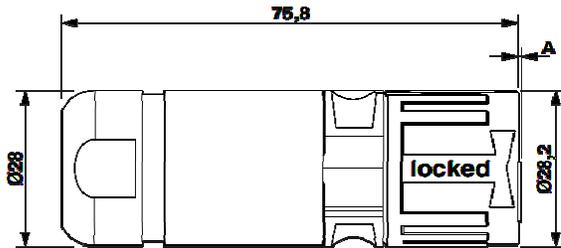
Shielded Power Connectors M23 Series SH
Shell styles W, AC, AD



<p>SH-8EPxxxxWA00S page C-T-13</p>	<p>SH-8EPxxxxWA00S page C-T-14</p>	<p>SH-8EPxxxxWA00S page C-T-15</p>
<p>Panel connector, straight with male thread flat design, axial O-ring square flange 26 mm □</p>	<p>Panel connector, straight with male thread flat design, axial O-ring square flange 26 mm □</p>	<p>Panel connector, straight with male thread flat design, axial O-ring square flange 26 mm □</p>
 <p>style W</p>	 <p>style W</p>	 <p>style W</p>
<p>SH-8ESxxxxAD/AC page C-T-16</p>	<p>SH-8ESxxxxAD/AC page C-T-17</p>	<p>SH-8EPxxxxAD/AC page C-T-18</p>
<p>Panel connector, angled with male thread angled design, axial O-ring square flange 26/28 mm □</p>	<p>Panel connector, angled with male thread angled design, axial O-ring square flange 26/28 mm □</p>	<p>Panel connector, angled with male thread angled design, axial O-ring square flange 26/28 mm □</p>
 <p>style AD/AC</p>	 <p>style AD/AC</p>	 <p>style AD/AC</p>
<p>SH-8EPxxxxAD/AC page C-T-19</p>		
<p>Panel connector, angled with male thread angled design, axial O-ring square flange 26/28 mm □</p>		
 <p>style AD/AC</p>		



Shielded Hybrid Connectors M23 Series SH
fits all SH Connectors with male thread
Shell style 8L



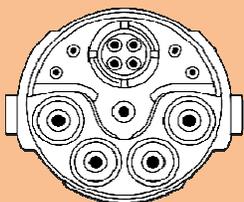
all with integrated strain relief

Caps and accessories: pages B-H-01...
 Mounting tools: pages B-E-01...
 Assembly instructions: page B-D-30
 Crimp tools for contacts: pages B-B-02B
 Crimp contacts: pages B-C-62

We also deliver as a connector set.
 Connector with crimp insert - and
 the contacts are separate included.
 Please ask for P/N

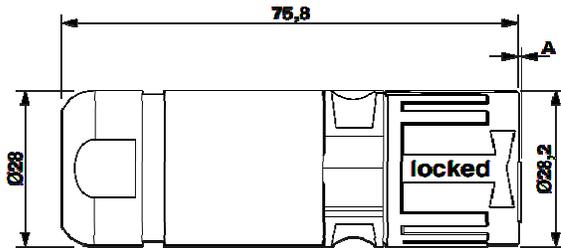


Part Number	SH-	8	E	S	C	5	8	A	8	L	X	X	X	Cable entries.....	
M23 cable connector, hybrid with Speedcon fast locking system 1 PE contact(center) female 2 mm 4 Power contacts female 2 mm 4 Signal contacts female 1 mm 4 Data contacts (CAT) female 0.8 mm															
											D	L	S	7.5 - 18 mm	
												B	4	S	7.5 - 9 mm
												B	3	S	9 - 12 mm
												B	2	S	12 - 15 mm
												B	1	S	15 - 18 mm





Shielded Hybrid Connectors M23 Series SH
fits all SH Connectors with male thread
Shell style 8L



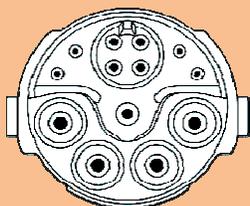
all with integrated strain relief

Caps and accessories: pages B-H-01...
 Mounting tools: pages B-E-01...
 Assembly instructions: page B-D-30
 Crimp tools for contacts: pages B-B-02B
 Crimp contacts: pages B-C-62

We also deliver as a connector set.
 Connector with crimp insert - and
 the contacts are separate included.
 Please ask for P/N

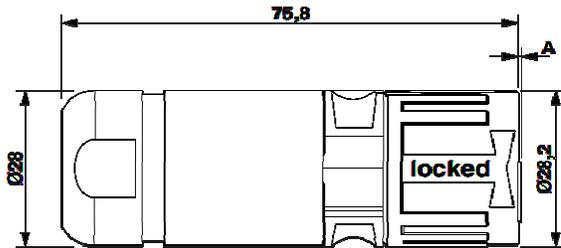


Part Number	SH-	8	E	S	S	4	8	A	8	L	X	X	X	Cable entries.....	
M23 cable connector, hybrid with Speedcon fast locking system 1 PE contact(center) female 2 mm 4 Power contacts female 2 mm 8 Signal contacts female 1 mm															
											D	L	S	7.5 - 18 mm	
												B	4	S	7.5 - 9 mm
												B	3	S	9 - 12 mm
												B	2	S	12 - 15 mm
												B	1	S	15 - 18 mm





Shielded Hybrid Connectors M23 Series SH
fits all SH Connectors with male thread
Shell style 8L



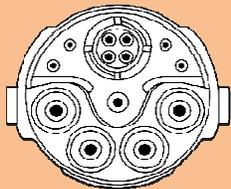
all with integrated strain relief

Caps and accessories: pages B-H-01...
 Mounting tools: pages B-E-01...
 Assembly instructions: page B-D-30
 Crimp tools for contacts: pages B-B-02B
 Crimp contacts: pages B-C-62

We also deliver as a connector set.
 Connector with crimp insert - and
 the contacts are separate included.
 Please ask for P/N

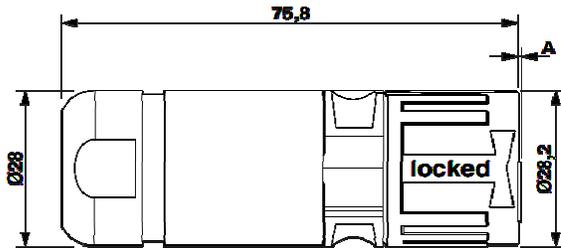


Part Number	SH-	8	E	P	C	5	8	A	8	L	X	X	X	Cable entries.....	
M23 cable connector, hybrid with Speedcon fast locking system 1 PE contact (center) male 2 mm 4 Power contacts male 2 mm 4 Signal contacts male 1 mm 4 Data contacts (CAT) male 0.8 mm															
											D	L	S	7.5 - 18 mm	
												B	4	S	7.5 - 9 mm
												B	3	S	9 - 12 mm
												B	2	S	12 - 15 mm
												B	1	S	15 - 18 mm





Shielded Hybrid Connectors M23 Series SH
fits all SH Connectors with male thread
Shell style 8L



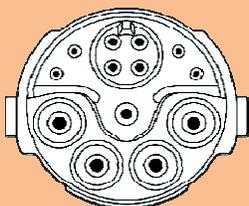
all with integrated strain relief

Caps and accessories: pages B-H-01...
 Mounting tools: pages B-E-01...
 Assembly instructions: page B-D-30
 Crimp tools for contacts: pages B-B-02B
 Crimp contacts: pages B-C-62

We also deliver as a connector set.
 Connector with crimp insert - and
 the contacts are separate included.
 Please ask for P/N

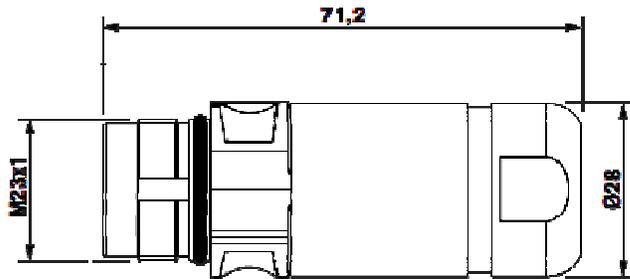


Part Number	SH-	8	E	P	S	4	8	A	8	L	x	x	x	Cable entries.....	
M23 cable connector, hybrid with Speedcon fast locking system 1 PE contact (center) male 2 mm 4 Power contacts male 2 mm 8 Signal contacts male 1 mm															
											D	L	S	7.5 - 18 mm	
												B	4	S	7.5 - 9 mm
												B	3	S	9 - 12 mm
												B	2	S	12 - 15 mm
												B	1	S	15 - 18 mm





Shielded Hybrid Connectors M23 Series SH
fits all SH Connectors with female coupling nut
Shell style 9L



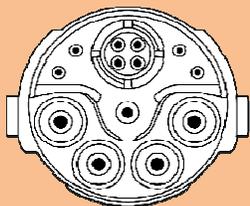
all with integrated strain relief

Caps and accessories: pages B-H-01...
Mounting tools: pages B-E-01...
Assembly instructions: page B-D-30
Crimp tools for contacts: pages B-B-02B
Crimp contacts: pages B-C-62

We also deliver as a connector set.
 Connector with crimp insert - and
 the contacts are separate included.
 Please ask for P/N

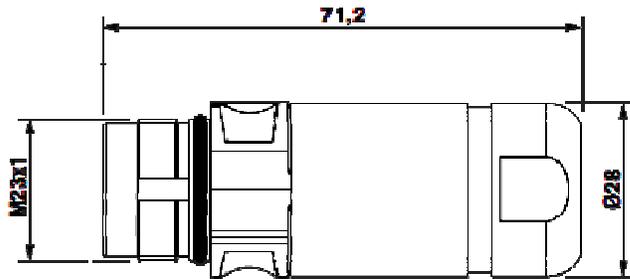


Part Number	SH-	8	E	S	C	5	8	A	9	L	X	X	X	Cable entries.....
M23 cable connector, hybrid														
		D	L	S										7.5 - 18 mm
		B	4	S										7.5 - 9 mm
	1 PE contact (center)	female	2 mm											
	4 Power contacts	female	2 mm											
	4 Signal contacts	female	1 mm											
	4 Data contacts (CAT)	female	0.8 mm											
	B	2	S											12 - 15 mm
	B	1	S											15 - 18 mm





Shielded Hybrid Connectors M23 Series SH
fits all SH Connectors with female coupling nut
Shell style 9L



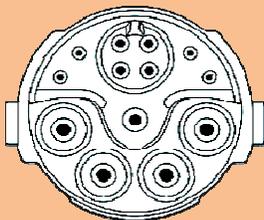
all with integrated strain relief

Caps and accessories: pages B-H-01...
 Mounting tools: pages B-E-01...
 Assembly instructions: page B-D-30
 Crimp tools for contacts: pages B-B-02B
 Crimp contacts: pages B-C-62

We also deliver as a connector set.
 Connector with crimp insert - and
 the contacts are separate included.
 Please ask for P/N

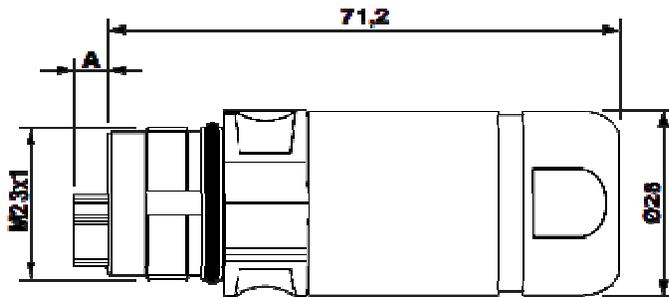


Part Number	SH-	8	E	S	S	4	8	A	9	L	X	X	X	Cable entries.....
M23 cable connector, hybrid														
		D	L	S										7.5 - 18 mm
		B	4	S										7.5 - 9 mm
	1 PE contact (center)	female	2 mm											
	4 Power contacts	female	2 mm											
	8 Signal contacts	female	1 mm											
		B	2	S										12 - 15 mm
	B	1	S										15 - 18 mm	





Shielded Hybrid Connectors M23 Series SH
fits all SH Connectors with female coupling nut
Shell style 9L



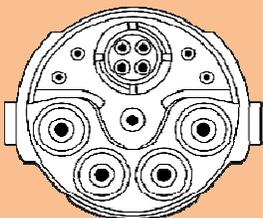
all with integrated strain relief

Caps and accessories: pages B-H-01...
Mounting tools: pages B-E-01...
Assembly instructions: page B-D-30
Crimp tools for contacts: pages B-B-02B
Crimp contacts: pages B-C-62

We also deliver as a connector set.
 Connector with crimp insert - and
 the contacts are separate included.
 Please ask for P/N

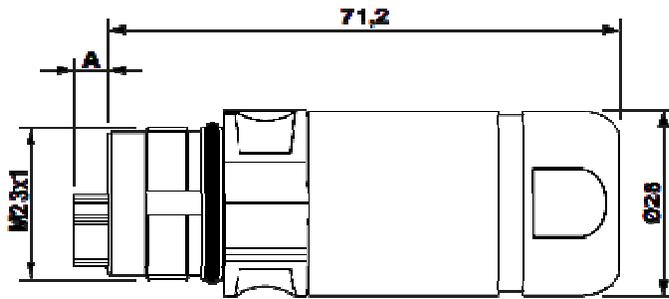


Part Number	SH-	8	E	P	C	5	8	A	9	L	X	X	X	Cable entries.....	
M23 cable connector, hybrid 1 PE contact (center) male 2 mm 4 Power contacts male 2 mm 4 Signal contacts male 1 mm 4 Data contacts (CAT) male 0.8 mm															
		D	L	S											7.5 - 18 mm
		B	4	S											7.5 - 9 mm
		B	3	S											9 - 12 mm
		B	2	S											12 - 15 mm
		B	1	S											15 - 18 mm





Shielded Hybrid Connectors M23 Series SH
fits all SH Connectors with female coupling nut
Shell style 9L



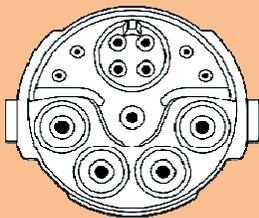
all with integrated strain relief

Caps and accessories: pages B-H-01...
Mounting tools: pages B-E-01...
Assembly instructions: page B-D-30
Crimp tools for contacts: pages B-B-02B
Crimp contacts: pages B-C-62

We also deliver as a connector set.
 Connector with crimp insert - and
 the contacts are separate included.
 Please ask for P/N

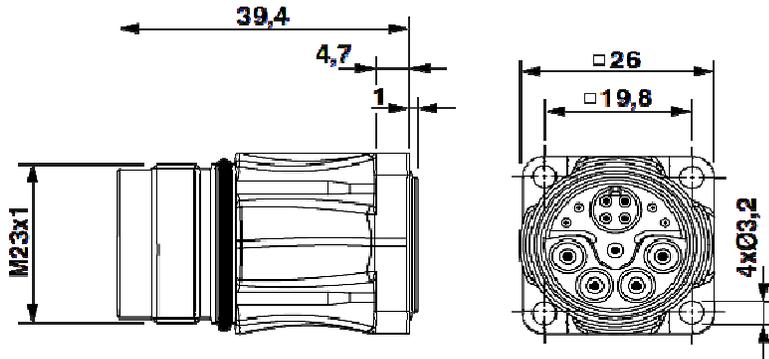


Part Number	SH-	8	E	P	S	4	8	A	9	L	X	X	X	Cable entries.....
M23 cable connector, hybrid 1 PE contact (center) male 2 mm 4 Power contacts male 2 mm 8 Signal contacts male 1 mm														
		D	L	S										7.5 - 18 mm
		B	4	S										7.5 - 9 mm
		B	3	S										9 - 12 mm
		B	2	S										12 - 15 mm
		B	1	S										15 - 18 mm





Shielded Hybrid Connectors M23 Series SH
fits all SH Connectors with female coupling nut
Shell style WA

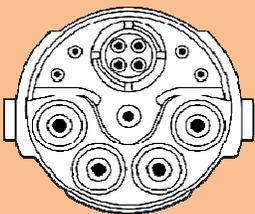


Caps and accessories: pages B-H-01...
Mounting tools: pages B-E-01...
Assembly instructions: page n/a
Crimp tools for contacts: pages B-B-02B
Crimp contacts: pages B-C-62

We also deliver as a connector set.
 Connector with crimp insert - and
 the contacts are separate included.
 Please ask for P/N

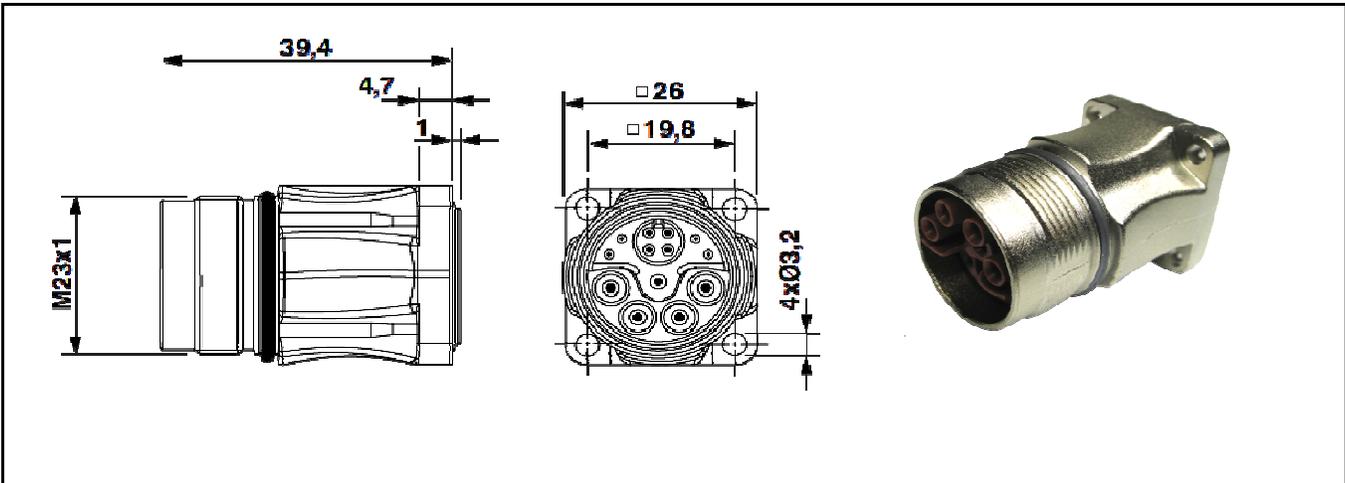


Part Number	SH-	8	E	S	C	5	8	A	W	A	x	x	x	
M23 cable connector, hybrid straight with square flange 1 PE contact (center) female 2 mm 4 Power contacts female 2 mm 4 Signal contacts female 1 mm 4 Data contacts (CAT) female 0.8 mm														
											0	0	S	square flange straight 26 x 26 mm with axial O-ring





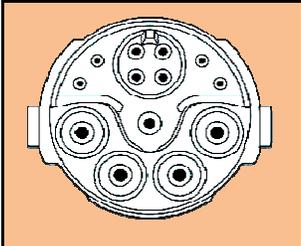
Shielded Hybrid Connectors M23 Series SH
fits all SH Connectors with female coupling nut
Shell style WA



Caps and accessories: pages B-H-01...
Mounting tools: pages B-E-01...
Assembly instructions: page n/a
Crimp tools for contacts: pages B-B-02B
Crimp contacts: pages B-C-62

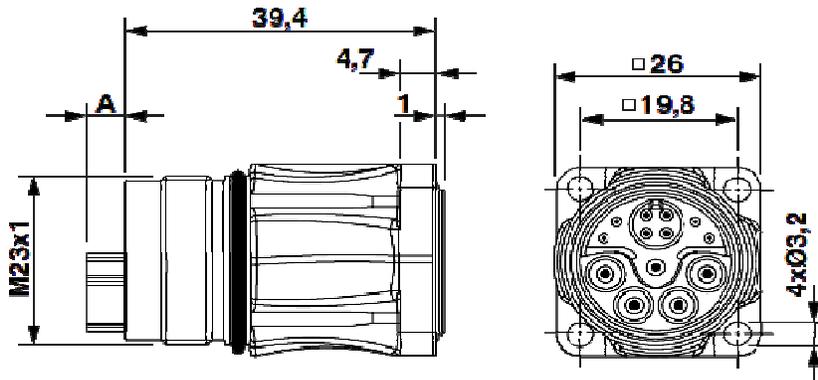
We also deliver as a connector set.
 Connector with crimp insert - and
 the contacts are separate included.
 Please ask for P/N

Part Number	SH-	8	E	S	S	4	8	A	W	A	x	x	x	
M23 cable connector, hybrid straight with square flange 1 PE contact (center) female 2 mm 4 Power contacts female 2 mm 8 Signal contacts female 1 mm														
														0 0 S
														square flange straight 26 x 26 mm with axial O-ring





Shielded Hybrid Connectors M23 Series SH
fits all SH Connectors with female coupling nut
Shell style WA

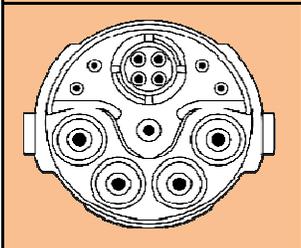


Caps and accessories: pages B-H-01...
Mounting tools: pages B-E-01...
Assembly instructions: page n/a
Crimp tools for contacts: pages B-B-02B
Crimp contacts: pages B-C-62

We also deliver as a connector set.
 Connector with crimp insert - and
 the contacts are separate included.
 Please ask for P/N

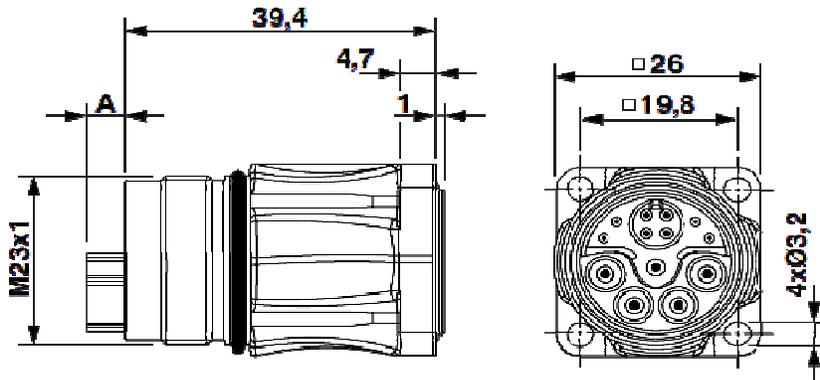


Part Number	SH-	8	E	P	C	5	8	A	W	A	x	x	x	
M23 cable connector, hybrid straight with square flange 1 PE contact (center) male 2 mm 4 Power contacts male 2 mm 4 Signal contacts male 1 mm 4 Data contacts (CAT) male 0.8 mm														
														0 0 S
														square flange straight 26 x 26 mm with axial O-ring





Shielded Hybrid Connectors M23 Series SH
fits all SH Connectors with female coupling nut
Shell style WA

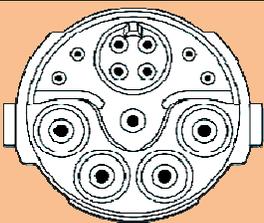


Caps and accessories: pages B-H-01...
Mounting tools: pages B-E-01...
Assembly instructions: page n/a
Crimp tools for contacts: pages B-B-02B
Crimp contacts: pages B-C-62

We also deliver as a connector set.
 Connector with crimp insert - and
 the contacts are separate included.
 Please ask for P/N

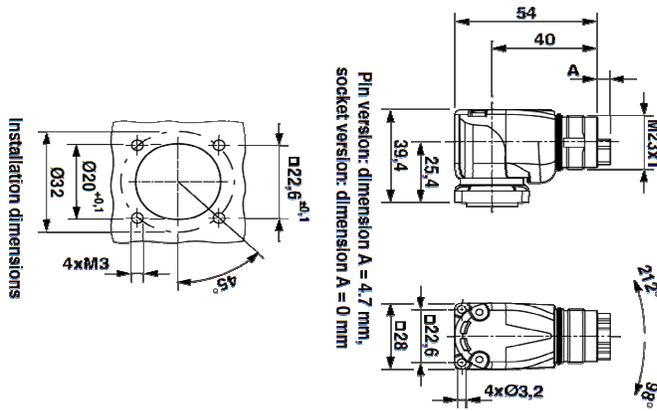


Part Number	SH-	8	E	P	S	4	8	A	W	A	x	x	x	
M23 cable connector, hybrid straight with square flange 1 PE contact (center) male 2 mm 4 Power contacts male 2 mm 8 Signal contacts male 1 mm														
											0	0	S	square flange straight 26 x 26 mm with axial O-ring





Shielded Hybrid Connectors M23 Series SH
fits all SH Connectors with female coupling nut
Shell style AC/AD

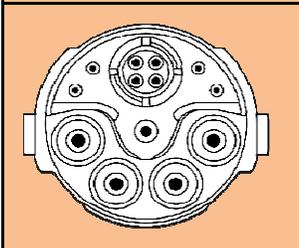


Caps and accessories: pages B-H-01...
Mounting tools: pages B-E-01...
Assembly instructions: page n/a
Crimp tools for contacts: pages B-B-02B
Crimp contacts: pages B-C-62

We also deliver as a connector set.
 Connector with crimp insert - and
 the contacts are separate included.
 Please ask for P/N

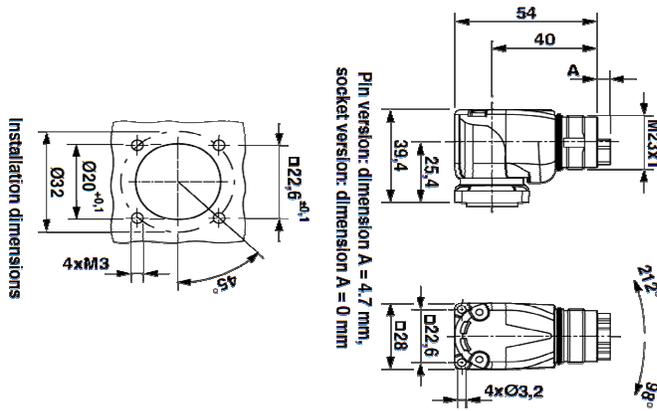


Part Number	SH-	8	E	S	C	5	8	A	x	x	x	x	x	
M23 cable connector, hybrid angled with square flange 1 PE contact (center) female 2 mm 4 Power contacts female 2 mm 4 Signal contacts female 1 mm 4 Data contacts (CAT) female 0.8 mm									A	D	0	0	S	square flange angled 26 x 26 mm with axial O-ring
									A	C	0	0	S	square flange angled 28 x 28 mm with axial O-ring





Shielded Hybrid Connectors M23 Series SH
fits all SH Connectors with female coupling nut
Shell style AC/AD



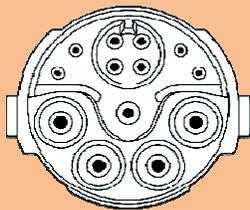
Caps and accessories: pages B-H-01...
Mounting tools: pages B-E-01...
Assembly instructions: page n/a
Crimp tools for contacts: pages B-B-02B
Crimp contacts: pages B-C-62

We also deliver as a connector set.
 Connector with crimp insert - and
 the contacts are separate included.
 Please ask for P/N

Part Number	SH-	8	E	S	S	4	8	A	x	x	x	x	x
M23 cable connector, hybrid angled with square flange 1 PE contact (center) female 2 mm 4 Power contacts female 2 mm 8 Signal contacts female 1 mm									A	D	0	0	S
									A	C	0	0	S

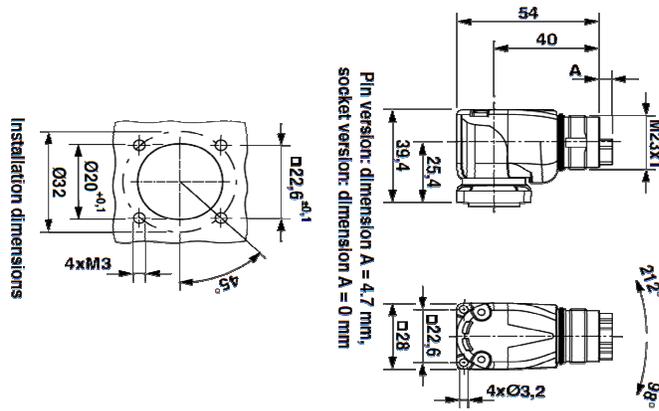
square flange
 angled
 26 x 26 mm
 with axial O-ring

square flange
 angled
 28 x 28 mm
 with axial O-ring





Shielded Hybrid Connectors M23 Series SH
fits all SH Connectors with female coupling nut
Shell style AC/AD

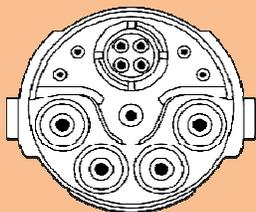


Caps and accessories: pages B-H-01...
Mounting tools: pages B-E-01...
Assembly instructions: page n/a
Crimp tools for contacts: pages B-B-02B
Crimp contacts: pages B-C-62

We also deliver as a connector set.
 Connector with crimp insert - and
 the contacts are separate included.
 Please ask for P/N

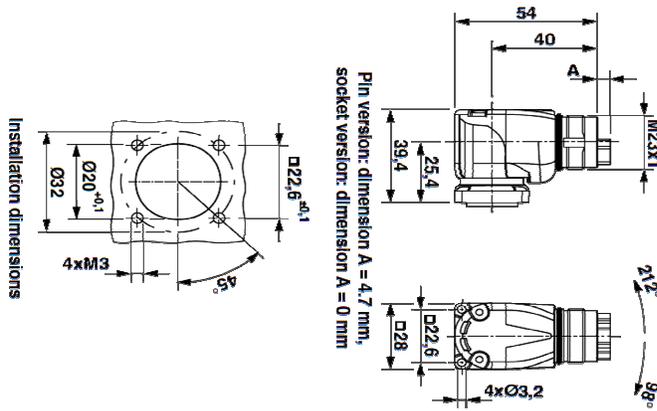


Part Number	SH-	8	E	P	C	5	8	A	x	x	x	x	x	
M23 cable connector, hybrid angled with square flange									A	D	0	0	S	square flange angled 26 x 26 mm with axial O-ring
	1 PE contact (center)	male	2 mm											
	4 Power contacts	male	2 mm											
	4 Signal contacts	male	1 mm						A	C	0	0	S	square flange angled 28 x 28 mm with axial O-ring
	4 Data contacts (CAT)	male	0.8 mm											





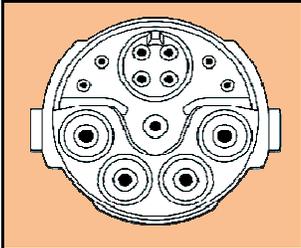
Shielded Hybrid Connectors M23 Series SH
fits all SH Connectors with female coupling nut
Shell style AC/AD



Caps and accessories: pages B-H-01...
Mounting tools: pages B-E-01...
Assembly instructions: page n/a
Crimp tools for contacts: pages B-B-02B
Crimp contacts: pages B-C-62

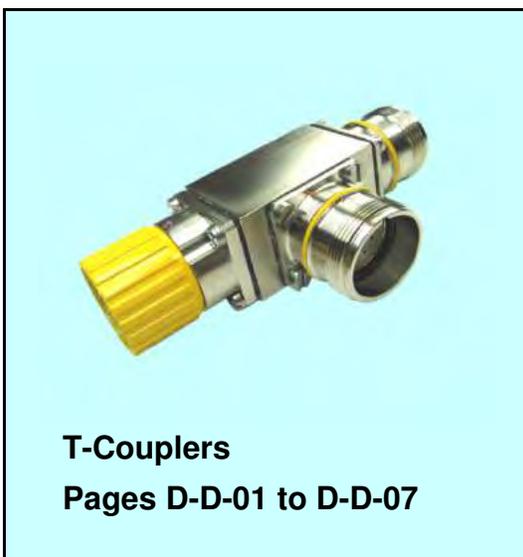
We also deliver as a connector set.
 Connector with crimp insert - and
 the contacts are separate included.
 Please ask for P/N

Part Number	SH-	8	E	P	S	4	8	A	x	x	x	x	x	
M23 cable connector, hybrid angled with square flange 1 PE contact (center) male 2 mm 4 Power contacts male 2 mm 8 Signal contacts male 1 mm									A	D	0	0	S	square flange angled 26 x 26 mm with axial O-ring
									A	C	0	0	S	square flange angled 28 x 28 mm with axial O-ring



Couplers with Coninvers Connectors M 23

Flange Couplers - Straight Couplers - T-Couplers - Elbow-Couplers

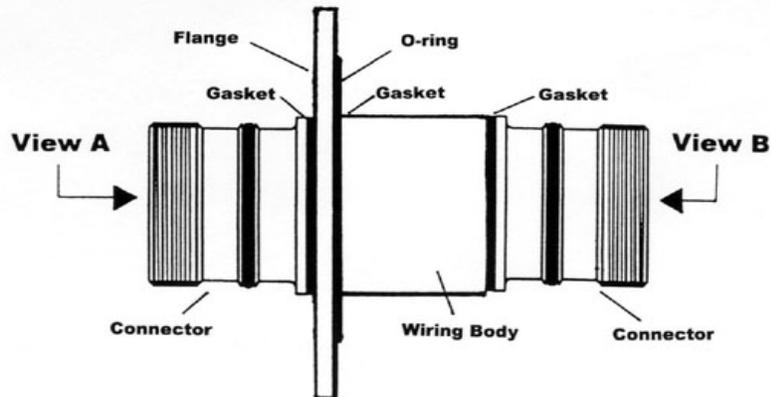


Flange Couplers

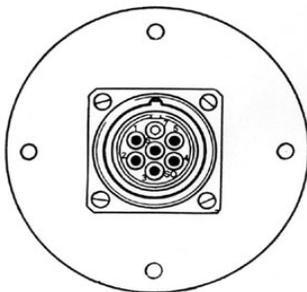
rear mount - front mount - metal flange - plastic flange



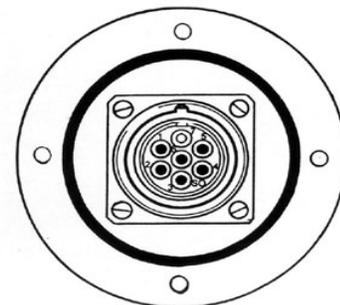
Description - Features - Technical Data - Electrical Data



View A



View B



Housing material:	CuZn, nickel plated (brass)
Connector insert:	Thermoplastic polyester (UL 94V-0)
Flange material:	CuZn, nickel plated (brass)
Flange material:	Delrin, black (plastic flange)
Contact material:	CuZn, hard gold plated
Gasket material:	Neoprene
Temperature:	-40 + 125 C / -40 + 257 F
Protection class:	IP 67 (mated)
Inside wiring:	1 : 1
Positions:	6, 7, 8, 9, 12, 16, 17, 19 male or female
Thread sizes:	M 23 (metric)
Inside wiring:	1.0 mm contacts 22AWG (0.34 mm²)
	1.5 mm contacts 20AWG (0.50 mm²)
	2.0 mm contacts 18AWG (0.75 mm²)

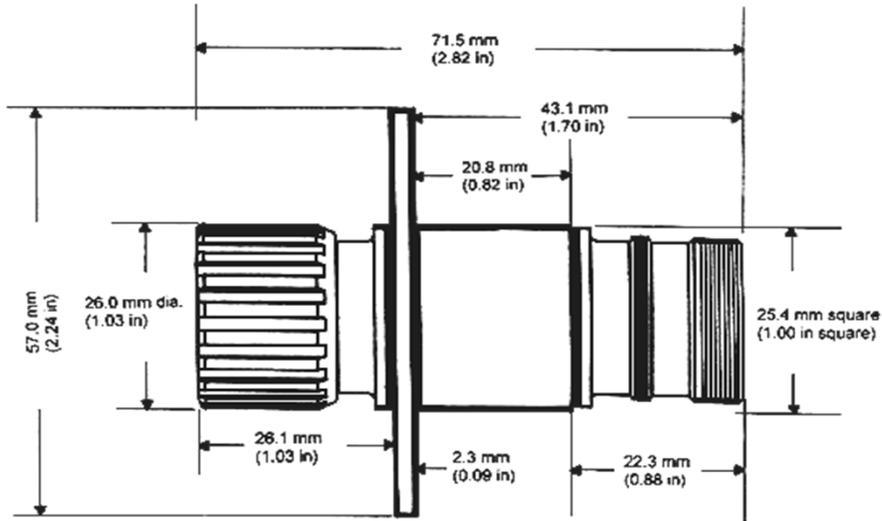
Flange Couplers

rear mount - front mount - metal flange - plastic flange



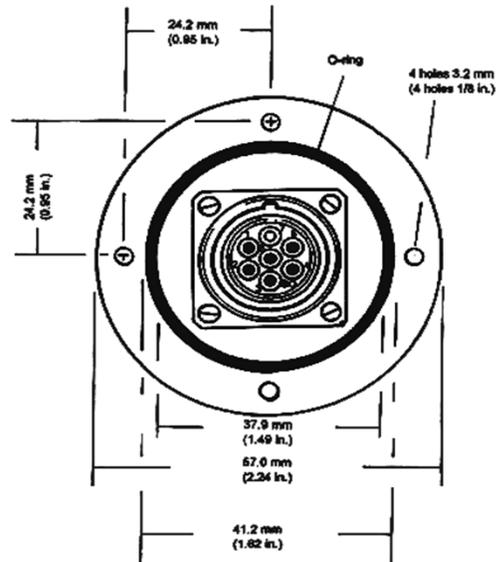
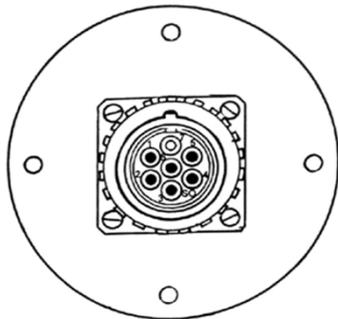
Dimensions - Total View - Front View - Rear View

Total View



Rear View

Front View

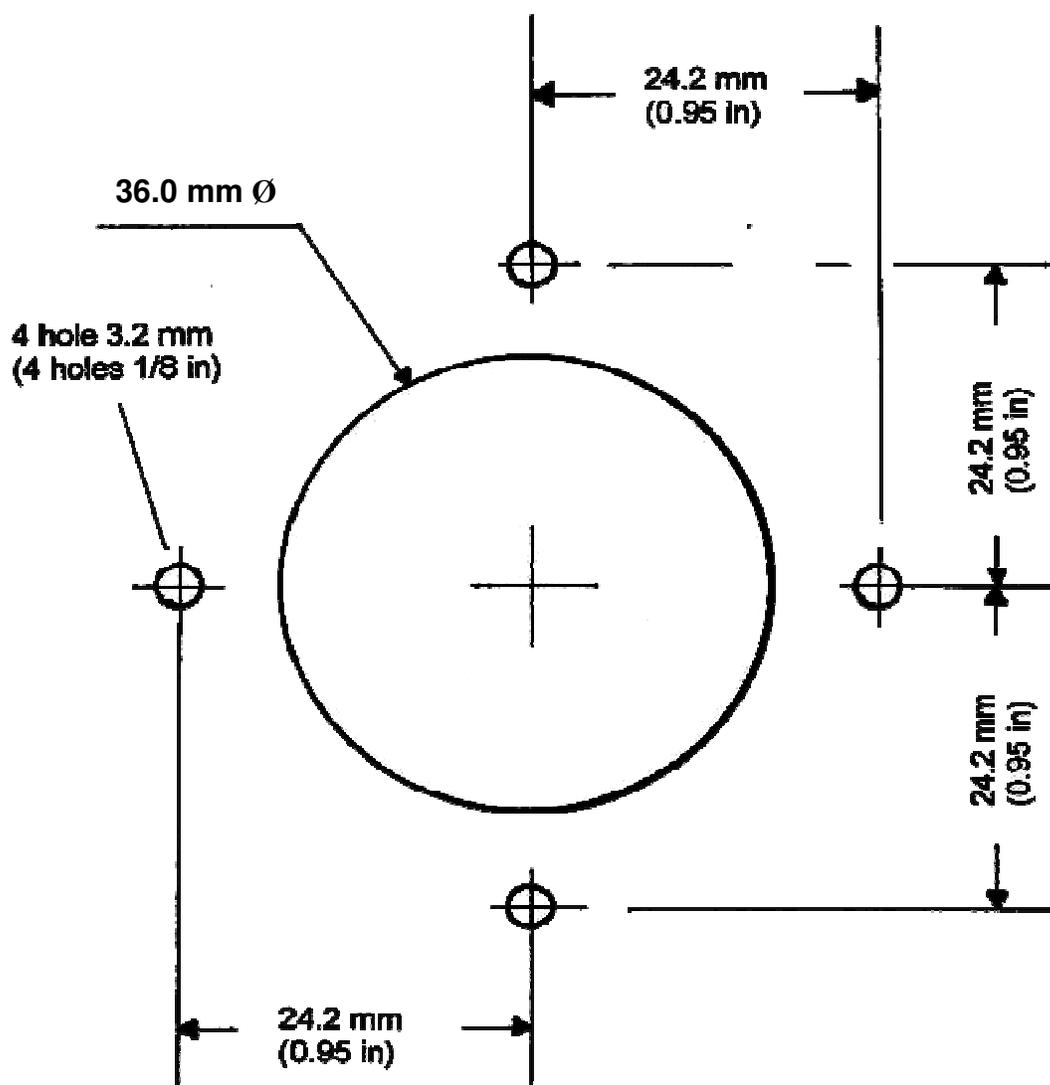


Flange Couplers

rear mount - front mount - metal flange - plastic flange



Drill Template for Panel Cutouts



Flange Couplers

rear mount - front mount - metal flange - plastic flange



Part Number System (Example) - Flange Orientation

R	M	L	-	x	x	x	x	-	x	x	x	x	-	x	x	x	-	x	x
----------	----------	----------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

R M L Flange coupler with Coninvers Data Connector
Metal flange O-ring facing to the right



R P L Flange coupler with Coninvers Data Connector
Plastic flange O-ring facing to the right

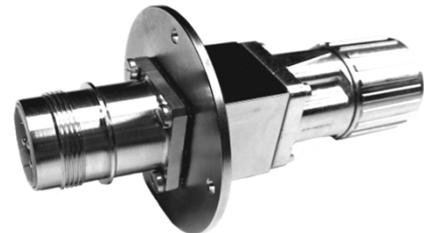


R M R Flange coupler with Coninvers Data Connector
Metal flange O-ring facing to the left



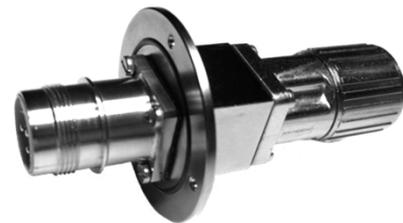
R P R Flange coupler with Coninvers Data Connector
Plastic flange O-ring facing to the left

S M L Flange coupler with Coninvers Power Connector
Metal flange O-ring facing to the right



S P L Flange coupler with Coninvers Power Connector
Plastic flange O-ring facing to the right

S M R Flange coupler with Coninvers Power Connector
Metal flange O-ring facing to the left



S P R Flange coupler with Coninvers Power Connector
Plastic flange O-ring facing to the left

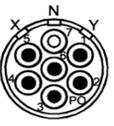
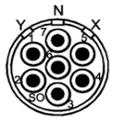
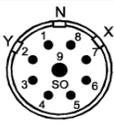
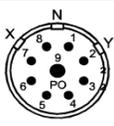
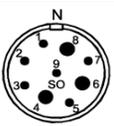
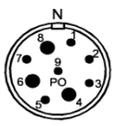
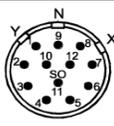
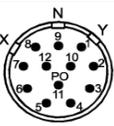
Flange Couplers

rear/front mount - metal/plastic flange



Part Number System (Example) - Connector left side of coupler

X X X - **0 6 F 2** - X X X X - X X X - X X

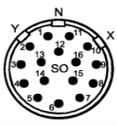
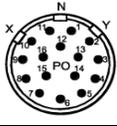
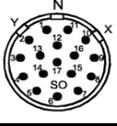
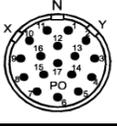
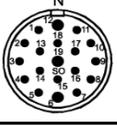
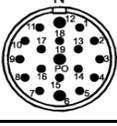
	06 position female Data Connector		Please fill in to continue the part number 0 6 F Y		Please fill in to continue the part number 0 6 F 2
	06 position male Data Connector		Please fill in to continue the part number 0 6 M Y		Please fill in to continue the part number 0 6 M 2
	07 position female Data Connector		Please fill in to continue the part number 0 7 F Y		Please fill in to continue the part number 0 7 F 2
	07 position male Data Connector		Please fill in to continue the part number 0 7 M Y		Please fill in to continue the part number 0 7 M 2
	09 position female Data Connector		Please fill in to continue the part number 0 9 F Y		Please fill in to continue the part number 0 9 F 2
	09 position male Data Connector		Please fill in to continue the part number 0 9 M Y		Please fill in to continue the part number 0 9 M 2
	6+3 position female Data Connector		Please fill in to continue the part number 6 3 F Y		Please fill in to continue the part number 6 3 F 2
	6+3 position male Data Connector		Please fill in to continue the part number 6 3 M Y		Please fill in to continue the part number 6 3 M 2
	12 position female Data Connector		Please fill in to continue the part number 1 2 F Y		Please fill in to continue the part number 1 2 F 2
	12 position male Data Connector		Please fill in to continue the part number 1 2 M Y		Please fill in to continue the part number 1 2 M 2

Flange Couplers

rear/front mount - metal/plastic flange



Part Number System (Example) - Connector **left side** of coupler

X X X - 0 6 F 2 - X X X X - X X X - X X					
	16 position female Data Connector		Please fill in to continue the part number 1 6 F Y		Please fill in to continue the part number 1 6 F 2
	16 position male Data Connector		Please fill in to continue the part number 1 6 M Y		Please fill in to continue the part number 1 6 M 2
	17 position female Data Connector		Please fill in to continue the part number 1 7 F Y		Please fill in to continue the part number 1 7 F 2
	17 position male Data Connector		Please fill in to continue the part number 1 7 M Y		Please fill in to continue the part number 1 7 M 2
	19 position female Data Connector		Please fill in to continue the part number 1 9 F Y		Please fill in to continue the part number 1 9 F 2
	19 position male Data Connector		Please fill in to continue the part number 1 9 M Y		Please fill in to continue the part number 1 9 M 2
	6 position female Power Connector		Please fill in to continue the part number 5 E F Y		
	6 position male Power Connector				Please fill in to continue the part number 5 E M W
	8 position female Power Connector		Please fill in to continue the part number 7 E F Y		
	8 position male Power Connector				Please fill in to continue the part number 7 E M W

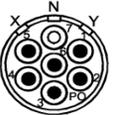
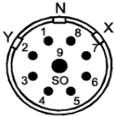
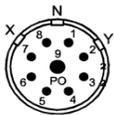
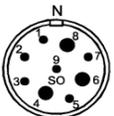
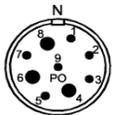
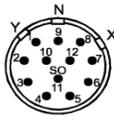
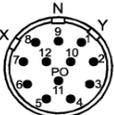
Flange Couplers

rear/front mount - metal/plastic flange



Part Number System (Example) - Connector right side of coupler

X X X - X X X X - **0 6 M 2** - X X X - X X

	06 position female Data Connector		Please fill in to continue the part number 0 6 F Y		Please fill in to continue the part number 0 6 F 2
	06 position male Data Connector		Please fill in to continue the part number 0 6 M Y		Please fill in to continue the part number 0 6 M 2
	07 position female Data Connector		Please fill in to continue the part number 0 7 F Y		Please fill in to continue the part number 0 7 F 2
	07 position male Data Connector		Please fill in to continue the part number 0 7 M Y		Please fill in to continue the part number 0 7 M 2
	09 position female Data Connector		Please fill in to continue the part number 0 9 F Y		Please fill in to continue the part number 0 9 F 2
	09 position male Data Connector		Please fill in to continue the part number 0 9 M Y		Please fill in to continue the part number 0 9 M 2
	6+3 position female Data Connector		Please fill in to continue the part number 6 3 F Y		Please fill in to continue the part number 6 3 F 2
	6+3 position male Data Connector		Please fill in to continue the part number 6 3 M Y		Please fill in to continue the part number 6 3 M 2
	12 position female Data Connector		Please fill in to continue the part number 1 2 F Y		Please fill in to continue the part number 1 2 F 2
	12 position male Data Connector		Please fill in to continue the part number 1 2 M Y		Please fill in to continue the part number 1 2 M 2

Flange Couplers

rear/front mount - metal/plastic flange



Part Number System (Example) - Connector right side of coupler

X X X - X X X X - **0 6 M 2** - X X X - X X

	16 position female Data Connector		Please fill in to continue the part number 1 6 F Y		Please fill in to continue the part number 1 6 F 2
	16 position male Data Connector		Please fill in to continue the part number 1 6 M Y		Please fill in to continue the part number 1 6 M 2
	17 position female Data Connector		Please fill in to continue the part number 1 7 F Y		Please fill in to continue the part number 1 7 F 2
	17 position male Data Connector		Please fill in to continue the part number 1 7 M Y		Please fill in to continue the part number 1 7 M 2
	19 position female Data Connector		Please fill in to continue the part number 1 9 F Y		Please fill in to continue the part number 1 9 F 2
	19 position male Data Connector		Please fill in to continue the part number 1 9 M Y		Please fill in to continue the part number 1 9 M 2
	6 position female Power Connector		Please fill in to continue the part number 5 E F Y		
	6 position male Power Connector				Please fill in to continue the part number 5 E M W
	8 position female Power Connector		Please fill in to continue the part number 7 E F Y		
	8 position male Power Connector				Please fill in to continue the part number 7 E M W

Flange Couplers

rear/front mount - metal/plastic flange



Part Number System (Example) - Inside Wiring

X X X - X X X X - X X X X - **S T A** - X X

Wiring Information

- S T A** Standard Wiring (see page D-B-01)
- 0 2 4** All pins are wired with 24 AWG (0.25 mm²)
- 0 2 2** All pins are wired with 22 AWG (0.34 mm²)
- 0 2 0** All pins are wired with 20 AWG (0.50 mm²)
- 0 1 8** All pins are wired with 18 AWG (0.75 mm²)
- 0 1 7** All pins are wired with 17 AWG (1.00 mm²)
- 0 1 6** All pins are wired with 16 AWG (1.50 mm²)
- 0 1 4** All pins are wired with 14 AWG (2.50 mm²)
- 0 1 2** All pins are wired with 12 AWG (4.00 mm²)



Other combinations are possible, please call.

Flange Couplers

rear/front mount - metal/plastic flange

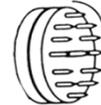


Part Number System (Example) - Connector Numbering

X X X - X X X X - X X X X - X X X - **CW**

CW

Male connectors numbering **clockwise**



CW

Female connectors numbering **counterclockwise**



CC

Male connectors numbering **counterclockwise**



CC

Female connectors numbering **clockwise**



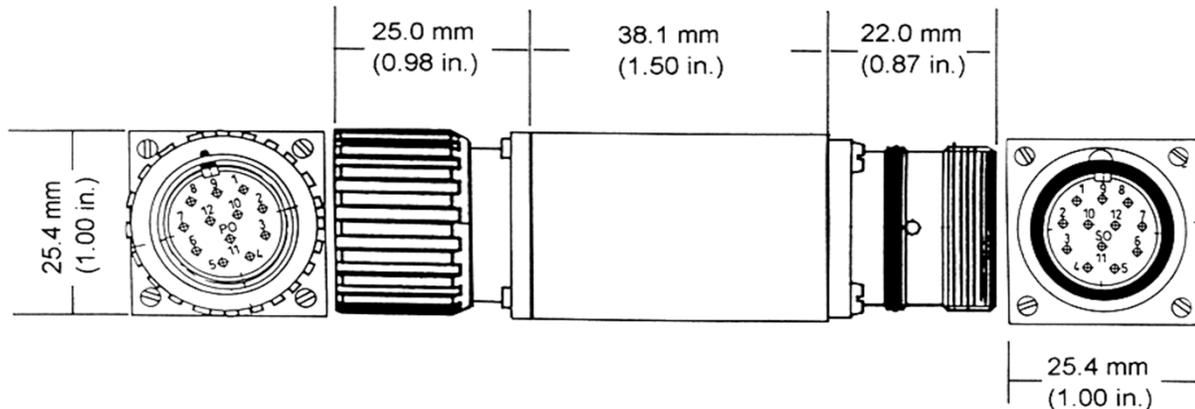
With this information you finished the P/N

Straight Couplers

Gender Changers (GC)



Description - Features - Technical Data - Electrical Data



Housing material:	CuZn, nickel plated (brass)
Connector insert:	Thermoplastic polyester (UL 94V-0)
Contact material:	CuZn, hard gold plated
Gasket material:	Neoprene
Temperature:	-40 + 125 C (-40 + 257 F)
Protection class:	IP 67 (mated)
Inside wiring:	1 : 1
Positions:	6,7,8,9,12,16,17,19 male or female
Thread sizes:	M 23 (metric)
Wires used:	1.0 mm contacts 22AWG (0.34 mm²)
	1.5 mm contacts 20AWG (0.50 mm²)
	2.0 mm contacts 18AWG (0.75 mm²)

Straight Couplers

Gender Changers (GC)



Part Number System (Example) - Connector left side of Coupler

GG - 06F2 - X X X X - X X X - X X

	06 position female Data Connector		Please fill in to continue the part number 0 6 F Y		Please fill in to continue the part number 0 6 F 2
	06 position male Data Connector		Please fill in to continue the part number 0 6 M Y		Please fill in to continue the part number 0 6 M 2
	07 position female Data Connector		Please fill in to continue the part number 0 7 F Y		Please fill in to continue the part number 0 7 F 2
	07 position male Data Connector		Please fill in to continue the part number 0 7 M Y		Please fill in to continue the part number 0 7 M 2
	09 position female Data Connector		Please fill in to continue the part number 0 9 F Y		Please fill in to continue the part number 0 9 F 2
	09 position male Data Connector		Please fill in to continue the part number 0 9 M Y		Please fill in to continue the part number 0 9 M 2
	6+3 position female Data Connector		Please fill in to continue the part number 6 3 F Y		Please fill in to continue the part number 6 3 F 2
	6+3 position male Data Connector		Please fill in to continue the part number 6 3 M Y		Please fill in to continue the part number 6 3 M 2
	12 position female Data Connector		Please fill in to continue the part number 1 2 F Y		Please fill in to continue the part number 1 2 F 2
	12 position male Data Connector		Please fill in to continue the part number 1 2 M Y		Please fill in to continue the part number 1 2 M 2

Straight Couplers

Gender Changers (GC)



Part Number System (Example) - Connector left side of Coupler

GG - 06F2 - X X X X - X X X - X X

	16 position female Data Connector		Please fill in to continue the part number 1 6 F Y		Please fill in to continue the part number 1 6 F 2
	16 position male Data Connector		Please fill in to continue the part number 1 6 M Y		Please fill in to continue the part number 1 6 M 2
	17 position female Data Connector		Please fill in to continue the part number 1 7 F Y		Please fill in to continue the part number 1 7 F 2
	17 position male Data Connector		Please fill in to continue the part number 1 7 M Y		Please fill in to continue the part number 1 7 M 2
	19 position female Data Connector		Please fill in to continue the part number 1 9 F Y		Please fill in to continue the part number 1 9 F 2
	19 position male Data Connector		Please fill in to continue the part number 1 9 M Y		Please fill in to continue the part number 1 9 M 2
	6 position female Power Connector		Please fill in to continue the part number 5 E F Y		
	6 position male Power Connector				Please fill in to continue the part number 5 E M W
	8 position female Power Connector		Please fill in to continue the part number 7 E F Y		
	8 position male Power Connector				Please fill in to continue the part number 7 E M W

Straight Couplers

Gender Changers (GC)



Part Number System (Example) - Connector right side of Coupler

GG - X X X X - **06M2** - X X X - X X

	06 position female Data Connector		Please fill in to continue the part number 0 6 F Y		Please fill in to continue the part number 0 6 F 2
	06 position male Data Connector		Please fill in to continue the part number 0 6 M Y		Please fill in to continue the part number 0 6 M 2
	07 position female Data Connector		Please fill in to continue the part number 0 7 F Y		Please fill in to continue the part number 0 7 F 2
	07 position male Data Connector		Please fill in to continue the part number 0 7 M Y		Please fill in to continue the part number 0 7 M 2
	09 position female Data Connector		Please fill in to continue the part number 0 9 F Y		Please fill in to continue the part number 0 9 F 2
	09 position male Data Connector		Please fill in to continue the part number 0 9 M Y		Please fill in to continue the part number 0 9 M 2
	6+3 position female Data Connector		Please fill in to continue the part number 6 3 F Y		Please fill in to continue the part number 6 3 F 2
	6+3 position male Data Connector		Please fill in to continue the part number 6 3 M Y		Please fill in to continue the part number 6 3 M 2
	12 position female Data Connector		Please fill in to continue the part number 1 2 F Y		Please fill in to continue the part number 1 2 F 2
	12 position male Data Connector		Please fill in to continue the part number 1 2 M Y		Please fill in to continue the part number 1 2 M 2

Straight Couplers

Gender Changers (GC)



Part Number System (Example) - Connector right side of Coupler

GG - X X X X - **06M2** - X X X - X X

	16 position female Data Connector		Please fill in to continue the part number 1 6 F Y		Please fill in to continue the part number 1 6 F 2
	16 position male Data Connector		Please fill in to continue the part number 1 6 M Y		Please fill in to continue the part number 1 6 M 2
	17 position female Data Connector		Please fill in to continue the part number 1 7 F Y		Please fill in to continue the part number 1 7 F 2
	17 position male Data Connector		Please fill in to continue the part number 1 7 M Y		Please fill in to continue the part number 1 7 M 2
	19 position female Data Connector		Please fill in to continue the part number 1 9 F Y		Please fill in to continue the part number 1 9 F 2
	19 position male Data Connector		Please fill in to continue the part number 1 9 M Y		Please fill in to continue the part number 1 9 M 2
	6 position female Power Connector		Please fill in to continue the part number 5 E F Y		
	6 position male Power Connector				Please fill in to continue the part number 5 E M W
	8 position female Power Connector		Please fill in to continue the part number 7 E F Y		
	8 position male Power Connector				Please fill in to continue the part number 7 E M W

Straight Couplers
Gender Changers (GC)



Part Number System (Example) - Inside Wiring

G G - x x x x - x x x x - **S T A** - x x

Wiring Information

S T A

Standard Wiring (see page D-C-01)

0 2 4

All pins are wired with 24 AWG (0.25 mm²)

0 2 2

All pins are wired with 22 AWG (0.34 mm²)

0 2 0

All pins are wired with 20 AWG (0.50 mm²)

0 1 8

All pins are wired with 18 AWG (0.75 mm²)

0 1 7

All pins are wired with 17 AWG (1.00 mm²)

0 1 6

All pins are wired with 16 AWG (1.50 mm²)

0 1 4

All pins are wired with 14 AWG (2.50 mm²)

0 1 2

All pins are wired with 12 AWG (4.00 mm²)

Other combinations are possible, please call.

Straight Couplers
Gender Changers (GC)

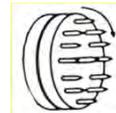


Part Number System (Example) - Connector Numbering

G G - X X X X - X X X X - X X X - **C W**

C W

Male connectors numbering **clockwise**



C W

Female connectors numbering **counterclockwise**



C C

Male connectors numbering **counterclockwise**



C C

Female connectors numbering **clockwise**



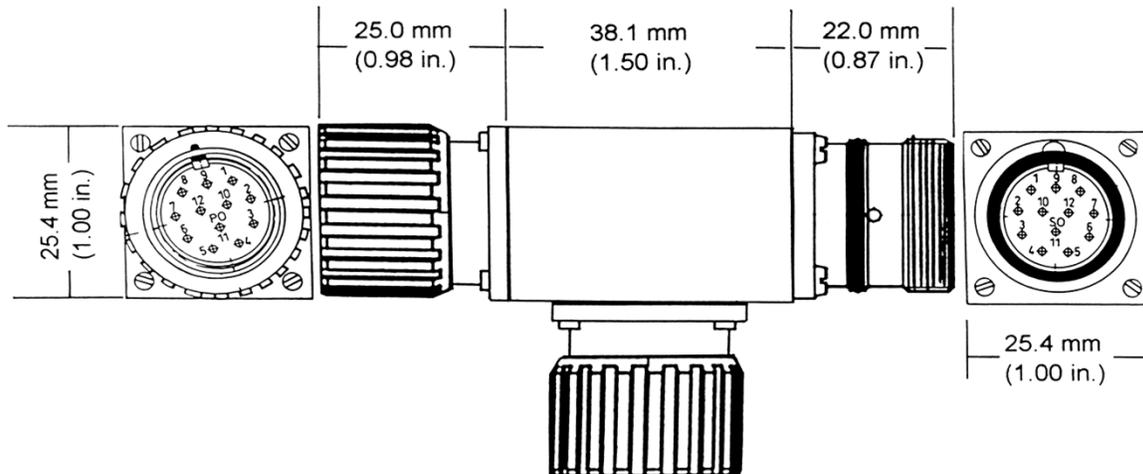
With this information you finished the P/N.

3 Way - Couplers

T-Couplers (Series T1-T8)



Features - Technical Data - Electrical Data



Housing material:	CuZn, nickel plated (brass)
Connector insert:	Thermoplastic polyester (UL 94V-0)
Contact material:	CuZn, hard gold plated
Gasket material:	Neoprene
Temperature:	-40 + 125 C (-40 + 257 F)
Protection class:	IP 67 (mated)
Inside wiring:	1 : 1
Positions:	6,7,9,12,16,17,19 male or female
Thread sizes:	M 23 (metric)
Wires used:	1.0 mm contacts 22AWG (0.34 mm²)
	1.5 mm contacts 20AWG (0.50 mm²)
	2.0 mm contacts 18AWG (0.75 mm²)

3 Way - Couplers

T-Couplers (Series T1-T8)



Part Number System (Example) - Body Style

T 1 - X X - X X - X X X - X X X - X X X



Specials.....



3 Way - Couplers

T-Couplers (Series T1-T8)



Part Number System (Example) - Connector Inserts and Positions

X X - **0 6** - X X - X X X - X X X - X X X

		Coupler with 06 position Data Connectors male/female	Please fill in 0 6
--	--	---	------------------------------

		Coupler with 07 position Data Connectors male/female	Please fill in 0 7
--	--	---	------------------------------

		Coupler with 09 position Data Connectors male/female	Please fill in 0 9
--	--	---	------------------------------

		Coupler with 6 + 3 position Data Connectors male/female	Please fill in 6 3
--	--	--	------------------------------

		Coupler with 12 position Data Connectors male/female	Please fill in 1 2
--	--	---	------------------------------

		Coupler with 16 position Data Connectors male/female	Please fill in 1 6
--	--	---	------------------------------

		Coupler with 17 position Data Connectors male/female	Please fill in 1 7
--	--	---	------------------------------

		Coupler with 19 position Data Connectors male/female	Please fill in 1 9
--	--	---	------------------------------

3 Way - Couplers

T-Couplers (Series T1-T8)



Part Number System (Example) - Connector Numbering

X X - X X - **C W** - X X X - X X X - X X X

C W

Male connectors numbering **clockwise**



C W

Female connectors numbering **counterclockwise**



C C

Male connectors numbering **counterclockwise**



C C

Female connectors numbering **clockwise**



3 Way - Couplers

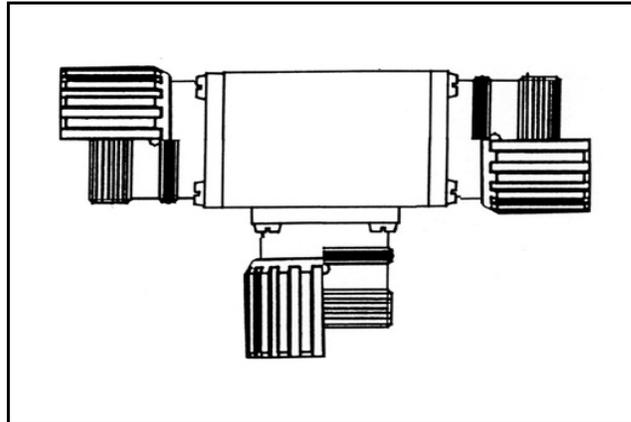
T-Couplers (Series T1-T8)



Part Number System (Example) - Gender of all three Connectors

X X - X X - X X - **M F F** - X X X - X X X

Left Gender



Right Gender

Middle Gender

Left Gender	Middle Gender	Right Gender	Please fill in ...
Male Connector	Male Connector	Female Connector	M M F
Male Connector	Male Connector	Male Connector	M M M
Male Connector	Female Connector	Male Connector	M F M
Male Connector	Female Connector	Female Connector	M F F
Female Connector	Female Connector	Female Connector	F F F
Female Connector	Female Connector	Male Connector	F F M
Female Connector	Male Connector	Male Connector	F M M
Female Connector	Male Connector	Female Connector	F M F

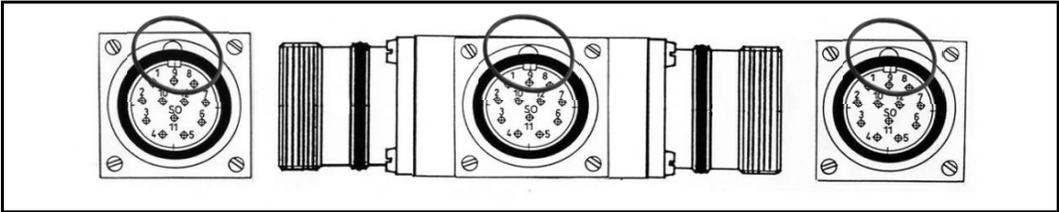
3 Way - Couplers

T-Couplers (Series T1-T8)



Part Number System (Example) - Connector Key Orientation

X X - X X - X X - X X X - **N N N** - X X X



Left Side

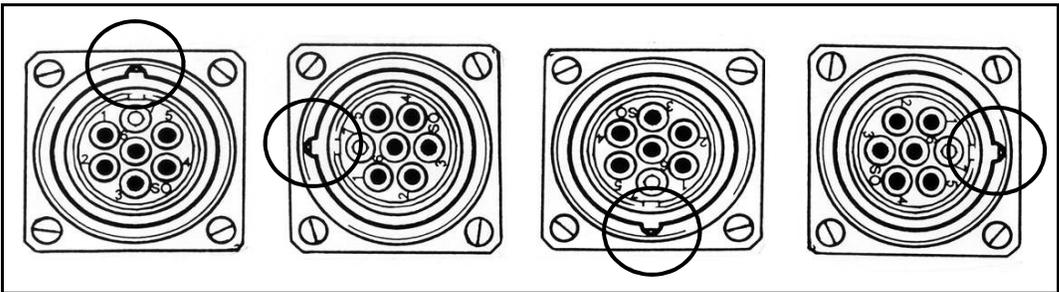
Middle

Right Side

All three connectors of this T-coupler are coded "N" (north) **N N N**

N	N	N
Left Side	Middle	Right Side

Please choose for each connector (left-middle-right) the desired coding.



coding north **"N"** coding west **"W"** coding south **"S"** coding east **"E"**

3 Way - Couplers

T-Couplers (Series T1-T8)



Part Number System (Example) - Inside Wiring

X X - X X - X X - X X X - X X X - **S T A**

Wiring Information

S T A

Standard Wiring (see page D-D-01)

0 2 4

All pins are wired with 24 AWG (0.25 mm²)

0 2 2

All pins are wired with 22 AWG (0.34 mm²)

0 2 0

All pins are wired with 20 AWG (0.50 mm²)

0 1 8

All pins are wired with 18 AWG (0.75 mm²)

0 1 7

All pins are wired with 17 AWG (1.00 mm²)

0 1 6

All pins are wired with 16 AWG (1.50 mm²)

0 1 4

All pins are wired with 14 AWG (2.50 mm²)

0 1 2

All pins are wired with 12 AWG (4.00 mm²)

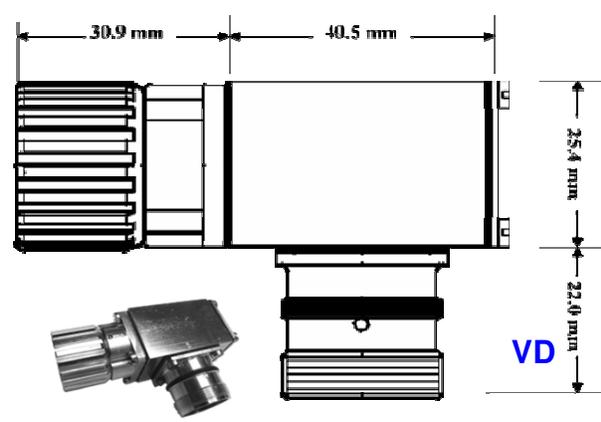
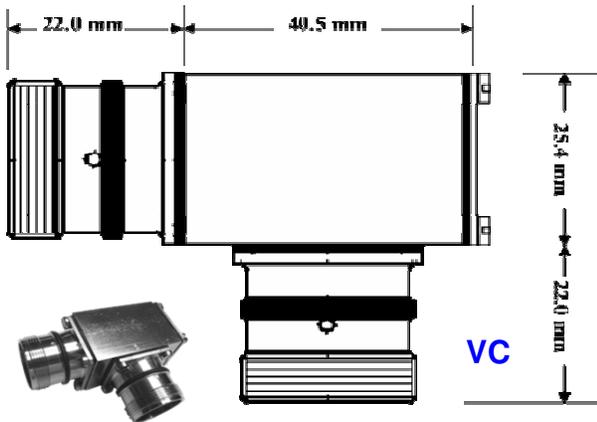
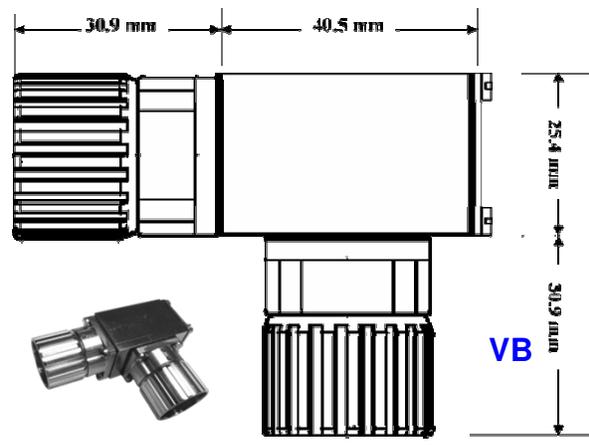
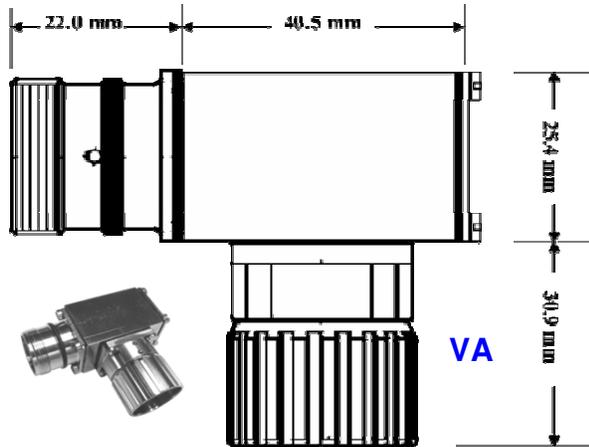
Other combinations are possible, please call.

Elbow Couplers

Elbow-Couplers (Series VA, VB, VC, VD)



Features - Technical Data - Electrical Data



Housing material:	CuZn, nickel plated (brass)
Connector insert:	Thermoplastic polyester (UL 94V-0)
Contact material:	CuZn, hard gold plated
Gasket material:	Neoprene
Temperature:	-40 + 125 C (-40 + 257 F)
Protection class:	IP 67 (mated)
Inside wiring:	1 : 1
Positions:	6,7,9,12,16,17,19 male or female
Thread sizes:	M 23 (metric)
Wires used:	1.0 mm contacts 22AWG (0.34 mm²)
	1.5 mm contacts 20AWG (0.50 mm²)
	2.0 mm contacts 18AWG (0.75 mm²)

Elbow Couplers

Elbow-Couplers (Series VA, VB, VC, VD)



Part Number System (Example) - Body Style

VA - X X - X X - X X - X X X - X X

<p>VA</p>	<p>VB</p>
-----------	-----------

<p>VC</p>	<p>VD</p>
-----------	-----------

Elbow Couplers

Elbow-Couplers (Series VA, VB, VC, VD)



Part Number System (Example) - Connector Inserts and Positions

X X - **0 6** - X X - X X - X X X - X X

		Coupler with 06 position Data Connectors male/femal	Please fill in 0 6
--	--	--	------------------------------

		Coupler with 07 position Data Connectors male/female	Please fill in 0 7
--	--	---	------------------------------

		Coupler with 09 position Data Connectors male/female	Please fill in 0 9
--	--	---	------------------------------

		Coupler with 6 + 3 position Data Connectors male/female	Please fill in 6 3
--	--	--	------------------------------

		Coupler with 12 position Data Connectors male/female	Please fill in 1 2
--	--	---	------------------------------

		Coupler with 16 position Data Connectors male/female	Please fill in 1 6
--	--	---	------------------------------

		Coupler with 17 position Data Connectors male/female	Please fill in 1 7
--	--	---	------------------------------

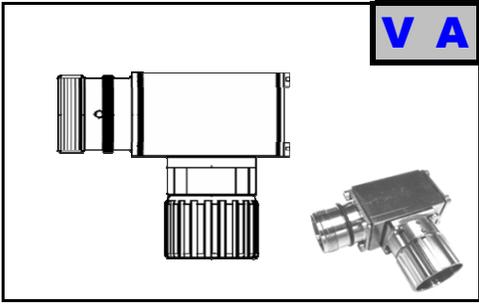
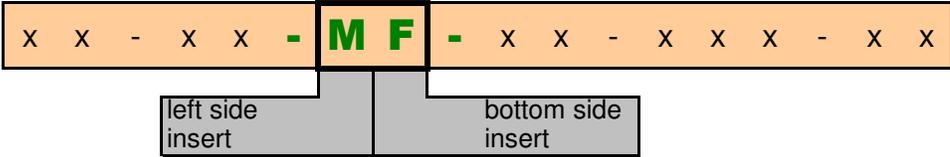
		Coupler with 19 position Data Connectors male/female	Please fill in 1 9
--	--	---	------------------------------

Elbow Couplers

Elbow-Couplers (Series VA, VB, VC, VD)

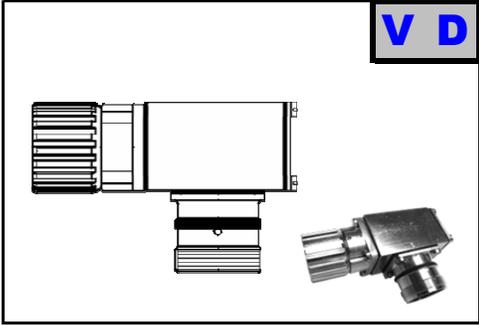
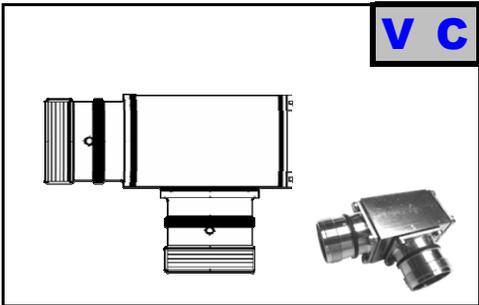
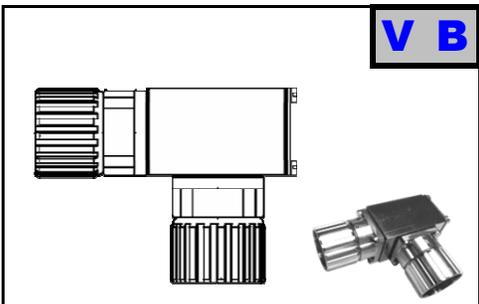


Part Number System (Example) - Connector Gender of the inserts



Connector Insert.....

Bottom male	● Left male	M M
Bottom male	● Left female	F M
Bottom female	● Left male	M F
Bottom female	● Left female	F F



Elbow Couplers

Elbow-Couplers (Series VA, VB, VC, VD)



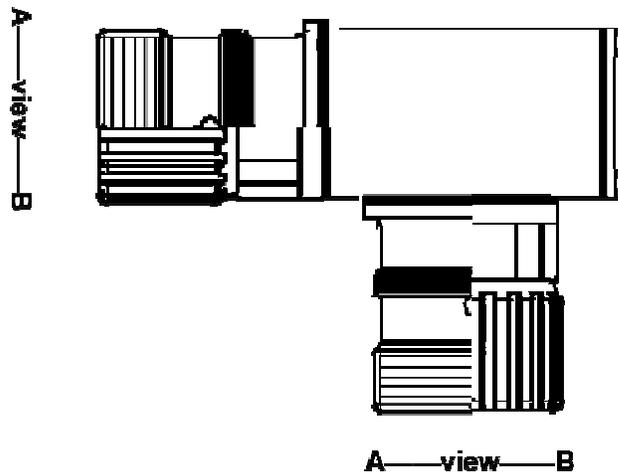
Part Number System (Example) - Connector Key Orientation

X X - X X - X X - **W N** - X X X - X X

Left Connector

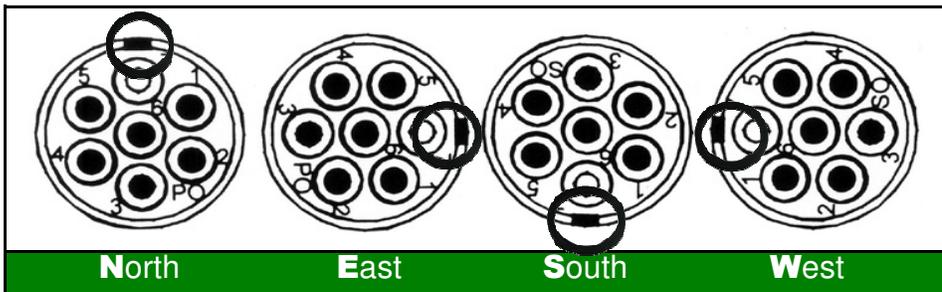
Bottom Connector

View to the left side connector



View to the bottom side connector

Keyways looking into the connectors (View A---B)



North

East

South

West

Elbow Couplers

Elbow-Couplers (Series VA, VB, VC, VD)



Part Number System (Example) - Inside Wiring

X X - X X - X X - X X - **S T A** - X X

Wiring Information

S T A	Standard Wiring (see page D-E-01)
0 2 4	All pins are wired with 24 AWG (0.25 mm ²)
0 2 2	All pins are wired with 22 AWG (0.34 mm ²)
0 2 0	All pins are wired with 20 AWG (0.50 mm ²)
0 1 8	All pins are wired with 18 AWG (0.75 mm ²)
0 1 7	All pins are wired with 17 AWG (1.00 mm ²)
0 1 6	All pins are wired with 16 AWG (1.50 mm ²)
0 1 4	All pins are wired with 14 AWG (2.50 mm ²)
0 1 2	All pins are wired with 12 AWG (4.00 mm ²)

Other combinations are possible, please call.

Elbow Couplers

Elbow-Couplers (Series VA, VB, VC, VD)

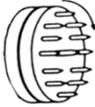


Part Number System (Example) - Connector Numbering

X X - X X - X X - X X - X X X - **C W**

C W

Male connectors numbering clockwise



C W

Female connectors numbering counterclockwise



C C

Male connectors numbering counterclockwise



C C

Female connectors numbering clockwise



Circular DIN connectors



Connector Overview (1)

Pictures						
Series	GAC	GFC	GAE	GFF	HBE	HAE
Protection	IP 67	IP 67	IP 67	IP 68	IP 67	IP 67
Voltage (max.)	250 V	250 V	250 V	250 V	250 V	250 V
Current (max.)	4 Amp.	4 Amp.	4 Amp.	4 Amp.	4 Amp.	4 Amp.
Positions	3 - 12	3 - 8	4 and 5	3/4/5	4	2 + PE
Shielding	yes/no	yes/no	yes/no	no	yes	no
Cable entry (mm)	4.0-8	n/a	4-8.5	n/a	5-8.0	4.0-8
Inside Termination	solder screws	n/a	solder screws dip solder	solder dip solder	solder screws dip solder	screws
Locking System	screw on	screw on	screw on	screw on	screw on	screw on
Molded	no	yes	no	yes	no	no
Locking size	M12-Acode	M12-Acode	M12-Bcode	M12-Bcode	M12-Dcode	M12-US
Pictures						
Series	HAE	GAD	HBK	HGK	EHA	FHK
Protection	IP 67	IP 67	IP 67	IP 68	IP 40	IP 40
Voltage (max.)	250 V	250 Volt	250 Volt	300 volt	250 V	250 V
Current (max.)	4 Amp.	16 Amp.	12 Amp.	12 Amp.	7 Amp.	7 Amp.
Positions	2 + PE	4	2+PE-4+PE	3 - 5	2 - 24	2 - 24
Shielding	no	no	no	no	yes	no
Cable entry (mm)	4.0-8	6.0-12	6- 18	n/a	4.0-8	3.0-8
Inside Termination	screws	solder dip solder	screws	n/a	solder	solder dip solder
Locking system	screw on	screw on	screw on	screw on	screw on	screw on
Molded	no	no	no	yes	no	no
Locking-size	1/2"UNF	M18	7/8 "	7/8 "	M16	M16

Circular DIN connectors



Connector Overview (2)

Pictures						
Series	FHB	DBC	GBC			
Protection	IP 40	IP 67	IP 67			
Voltage (max.)	250 V	250 V	250 Volt			
Current (max.)	7 Amp.	7 Amp.	7 Amp.			
Positions	2 - 24	2 - 24	2 - 24			
Shielding	no	yes	no			
Cable entry (mm)	3.0-8	4.0-8	4.0-8			
Inside Termination	solder		solder dip solder			
Locking System	screw on	screw on	screw on			
Molded	no	no	no			
Locking size	M16	M16	M16			

For all our M5 to M16
Connectors please call us
for more Information.

Strain Reliefs and Accessories



Table of Contents



non shielded

PG size F-B-01
Metric F-B-02
Stainless F-B-03



shielded version

PG size F-B-01
Metric F-B-02



multiple cable entry

Metric F-B-03



flat or cutting edge

PG size F-B-04



flat or cutting edge

Metric F-B-05
Stainless F-B-05



adaptors

Metric/PG F-B-06



adaptors

PG/NPT F-B-06



enlargers

Metr/Metr F-B-07
PG/PG F-B-07



reducers

PG/PG F-B-08
PG/Metric F-B-08



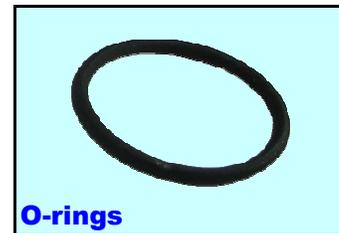
reducers

Metr/Metr F-B-09
Metric/PG F-B-09



caps (with O-ring)

PG size F-B-10
Metric F-B-11



O-rings

Metric F-B-12
NPT F-B-12
PG size F-B-12

Strain Reliefs and Accessories

High Performance Cable Glands



High Performance Strain Reliefs

	<p>Applications</p> <p>Strong Strain Relief for straight-through cable entries. These Strain Reliefs seal cable entries and prevent contaminants from entering into enclosures. Completely insulated. With hexagon lower part and cord grips. With O-ring at external thread.</p>	<p>Features</p> <p>Material: brass, nickel plated Temp: -30C to +120C (-22F to 248F) Protection: IP68 watertight (5 bar) Resistant to oil, water, ageing. Hex Nuts: Series GH-780/784...</p>
--	--	---

Dimensions mm (inch) - Part Numbers

Thread PG-size	Thread O.D.	Width across flats	Thread length	Approx. total length	Cable entry Cable dia.	Part Number	PG-Sizes
PG 7	12.5(0.49)	14 mm	5.0(0.19)	25.0(0.98)	3-6.5(0.12-0.26)	GH-351.0700.0	
PG 9	15.2(0.60)	17 mm	6.0(0.24)	28.0(1.10)	5.5-10(0.22-0.39)	GH-351.0900.0	
PG 11	18.6(0.73)	20 mm	6.0(0.24)	28.0(1.10)	5.5-10(0.22-0.39)	GH-351.1100.0	
PG 13.5	20.4(0.80)	22 mm	6.5(0.26)	30.0(1.18)	08-13(0.32-0.52)	GH-351.1300.0	
PG 16	22.5(0.88)	24 mm	6.5(0.26)	30.0(1.18)	08-14(0.32-0.55)	GH-351.1600.0	
PG 21	28.3(1.11)	30 mm	7.0(0.28)	36.0(1.42)	11-18(0.43-0.71)	GH-351.2100.0	
PG 29	37.0(1.45)	40 mm	8.0(0.32)	26.0(1.42)	19-27(0.75-0.98)	GH-351.2900.0	
PG 36	47.0(1.84)	50 mm	9.0(0.35)	50.0(1.97)	26-35(1.02-1.38)	GH-351.3600.0	
PG 42	54.0(2.11)	57 mm	10.0(0.39)	50.0(1.97)	26-35(1.02-1.38)	GH-351.4200.0	
PG 48	59.3(2.33)	66 mm	10.0(0.39)	55.0(2.17)	39-48(1.54-1.89)	GH-351.4800.0	

	<p>Applications</p> <p>Strong Strain Relief for straight-through cable entries. These Strain Reliefs seal cable entries and prevent contaminants from entering into enclosures. Completely insulated. With hexagon lower part and cord grips. With O-ring at external thread.</p>	<p>Features</p> <p>Material: brass, nickel plated Temp: -30C to +120C (-22F to 248F) Protection: IP68 watertight (5 bar) Resistant to oil, water, ageing. Hex Nuts: Series GH-780/784...</p>
--	--	---

Dimensions mm (inch) - Part Numbers

Thread PG-size	Thread O.D.	Width across flats	Thread length	Approx. total length	Cable entry Cable dia.	Part Number	PG-Sizes
PG 7	12.5(0.49)	14 mm	5.0(0.19)	25.0(0.98)	3-6.5(0.12-0.26)	GH-353.0700.0	<p>For Shielded Cables</p>
PG 9	15.2(0.60)	17 mm	6.0(0.24)	28.0(1.10)	5.5-10(0.22-0.39)	GH-353.0900.0	
PG 11	18.6(0.73)	20 mm	6.0(0.24)	28.0(1.10)	5.5-10(0.22-0.39)	GH-353.1100.0	
PG 13.5	20.4(0.80)	22 mm	6.5(0.26)	30.0(1.18)	08-13(0.32-0.52)	GH-353.1300.0	
PG 16	22.5(0.88)	24 mm	6.5(0.26)	30.0(1.18)	08-14(0.32-0.55)	GH-353.1600.0	
PG 21	28.3(1.11)	30 mm	7.0(0.28)	36.0(1.42)	11-18(0.43-0.71)	GH-353.2100.0	
PG 29	37.0(1.45)	40 mm	8.0(0.32)	26.0(1.42)	18-27(0.70-0.98)	GH-353.2900.0	

Strain Reliefs and Accessories

High Performance Cable Glands



High Performance Strain Reliefs

	<p>Applications</p> <p>Strong Strain Relief for straight-through cable entries. These Strain Reliefs seal cable entries and prevent contaminants from entering into enclosures. Completely insulated. With hexagon lower part and cord grips. With O-ring at external thread.</p>	<p>Features</p> <p>Material: brass, nickel plated Temp: -30C to +120C (-22F to 248F) Protection: IP68 watertight (5 bar) Resistant to oil, water, ageing. Hex Nuts: Series GH-785/786...</p>
--	--	---

Dimensions mm (inch) - Part Numbers

Thread mm-size	Thread O.D.	Width across flats	Thread length	Approx. total length	Cable entry Cable dia.	Part Number	Metric sizes
M12x1.5	12(0.47)	14 mm	5.0(0.19)	25.0(0.98)	3-6.5(0.12-0.26)	GH-356.1200.0	
M16x1.5	16(0.63)	17 mm	5.5(0.22)	28.0(1.10)	5.5-10(0.22-0.39)	GH-356.1600.0	
M20x1.5	20(0.79)	22 mm	6.0(0.24)	28.0(1.10)	06-12(0.24-0.47)	GH-356.2000.1	
M20x1.5	20(0.79)	22 mm	6.0(0.24)	28.0(1.10)	08-13(0.32-0.52)	GH-356.2000.0	
M25x1.5	25(0.98)	30 mm	7.0(0.28)	30.0(1.18)	11-18(0.43-0.71)	GH-356.2500.0	
M32x1.5	32(1.26)	34 mm	8.0(0.32)	36.0(1.42)	15-21(0.59-0.83)	GH-356.3200.0	
M40x1.5	40(1.57)	44 mm	8.0(0.32)	40.0(1.57)	19-27(0.75-0.98)	GH-356.4000.0	
M50x1.5	50(1.97)	55 mm	9.0(0.35)	50.0(1.97)	26-35(1.02-1.38)	GH-356.5000.0	
M63x1.5	63(2.48)	66 mm	10.0(0.39)	50.0(1.97)	27-38(1.06-1.50)	GH-356.6300.1	
M63x1.5	63(2.48)	66 mm	10.0(0.39)	55.0(2.17)	39-48(1.54-1.89)	GH-356.6300.0	

	<p>Applications</p> <p>Strong Strain Relief for straight-through cable entries. These Strain Reliefs seal cable entries and prevent contaminants from entering into enclosures. Completely insulated. With hexagon lower part and cord grips. With O-ring at external thread.</p>	<p>Features</p> <p>Material: brass, nickel plated Temp: -30C to +120C (-22F to 248F) Protection: IP68 watertight (5 bar) Resistant to oil, water, ageing. Hex Nuts: Series GH-785/786...</p>
--	--	---

Dimensions mm (inch) - Part Numbers

Thread mm-size	Thread O.D.	Width across flats	Thread length	Approx. total length	Cable entry Cable dia.	Part Number	Metric sizes
M12x1.5	12(0.47)	14 mm	5.0(0.19)	25.0(0.98)	03-6.5(0.12-0.26)	GH-357.1200.0	<p>For Shielded Cables</p>
M16x1.5	16(0.63)	17 mm	5.5(0.22)	28.0(1.10)	5.5-10(0.22-0.39)	GH-357.1600.0	
M20x1.5	20(0.79)	22 mm	6.0(0.24)	28.0(1.10)	08-13(0.32-0.52)	GH-357.2000.0	
M25x1.5	25(0.98)	30 mm	7.0(0.28)	30.0(1.18)	11-18(0.43-0.71)	GH-357.2500.0	
M32x1.5	32(1.26)	34 mm	8.0(0.32)	36.0(1.42)	15-21(0.59-0.83)	GH-357.3200.0	
M40x1.5	40(1.57)	44 mm	8.0(0.32)	40.0(1.57)	19-27(0.75-0.98)	GH-357.4000.0	
M50x1.5	50(1.97)	55 mm	9.0(0.35)	50.0(1.97)	26-35(1.02-1.38)	GH-357.5000.0	
M63x1.5	63(2.48)	66 mm	10.0(0.39)	55.0(2.17)	39-48(1.54-1.89)	GH-357.6300.0	

Strain Reliefs and Accessories

High Performance Cable Glands



High Performance Strain Reliefs

	<p>Applications</p> <p>Strong Strain Relief for straight-through cable entries. These Strain Reliefs seal cable entries and prevent contaminants from entering into enclosures. Completely insulated. With hexagon lower part and cord grips. With O-ring at external thread.</p>	<p>Features</p> <p>Material: stainless steel Temp: -40C to +120C (-40F to 248F) Protection: IP68 watertight (5 bar) Resistant to oil, water, ageing. Hex Nuts: Series GH-789...</p>
--	--	--

Dimensions mm (inch) - Part Numbers

Thread mm-size	Thread O.D.	Width across flats	Thread length	Approx. total length	Cable entry Cable dia.	Part Number	Metric sizes
M12x1.5	12(0.47)	14 mm	5.0(0.19)	25.0(0.98)	05-07(0.19-0.28)	GH-387.1200.1	Stainless Steel
M16x1.5	16(0.63)	17 mm	5.5(0.22)	28.0(1.10)	05-10(0.19-0.39)	GH-387.1600.0	
M20x1.5	20(0.79)	22 mm	6.0(0.24)	28.0(1.10)	09-14(0.35-0.55)	GH-387.2000.0	
M25x1.5	25(0.98)	30 mm	7.0(0.28)	30.0(1.18)	13-19(0.51-0.75)	GH-387.2500.0	
M32x1.5	32(1.26)	34 mm	8.0(0.32)	36.0(1.42)	15-22(0.59-0.87)	GH-387.3200.0	
M40x1.5	40(1.57)	44 mm	8.0(0.32)	40.0(1.57)	22-28(0.86-1.10)	GH-387.4000.0	

	<p>Applications</p> <p>Strong Strain Relief for straight-through cable entries. These Strain Reliefs seal cable entries and prevent contaminants from entering into enclosures. Completely insulated. With hexagon lower part and cord grips. With O-ring at external thread.</p>	<p>Features</p> <p>Material: brass, nickel plated Temp: -40C to +120C (-40F to 248F) Protection: IP68 watertight (5 bar) Resistant to oil, water, ageing. Hex Nuts: Series GH-785/786...</p>
--	--	---

Dimensions mm (inch) - Part Numbers

Thread mm-size	Width across flats	Thread length	Quantities of holes with diameters in mm and (inches)	Part Number	Metric sizes
M16x1.5	17 mm	5.5 mm (.21)	2 holes with 4 mm (.16)	GH-366.1604.2	Multiple Cable Entries
M16x1.5	17 mm	5.5 mm (.21)	2 holes with 4.5 mm (.18)	GH-366.1605.2	
M16x1.5	17 mm	5.5 mm (.21)	3 holes with 4 mm (.16)	GH-366.1604.3	
M20x1.5	22 mm	6 mm (.24)	2 holes with 6 mm (.24)	GH-366.2006.2	
M20x1.5	22 mm	6 mm (.24)	2 holes with 4 mm (.16)	GH-366.2004.2	
M20x1.5	22 mm	6 mm (.24)	3 holes with 5 mm (.20)	GH-366.2005.3	
M25x1.5	30 mm	7 mm (.28)	2 holes with 7 mm (.28)	GH-366.2507.2	
M25x1.5	30 mm	7 mm (.28)	2 holes with 8 mm (.32)	GH-366.2508.2	
M25x1.5	30 mm	7 mm (.28)	2 holes with 9 mm (.36)	GH-366.2509.2	
M25x1.5	30 mm	7 mm (.28)	3 holes with 7 mm (.28)	GH-366.2507.3	
M25x1.5	30 mm	7 mm (.28)	3 holes with 8 mm (.32)	GH-366.2508.3	
M25x1.5	30 mm	7 mm (.28)	4 holes with 7 mm (.28)	GH-366.2507.4	
M25x1.5	30 mm	7 mm (.28)	8 holes with 1.5 mm (.06)	GH-366.2501.8	
M25x1.5	30 mm	7 mm (.28)	2 holes 1 x 5 mm (.20) and 1 x 12 mm (.47)	GH-366.2512.2	
M40x1.5	66 mm	8 mm (.32)	2 holes 1 x 7 mm (.28) and 1 x 14 mm (.55)	GH-366.4014.2	
M40x1.5	66 mm	8 mm (.32)	2 holes 1 x 10 mm (.40) and 1 x 15.6 mm (.61)	GH-366.4016.2	



Strain Reliefs and Accessories

Nuts for Adaptors, Cable Glands and Plugs



Lock Nuts PG

	Applications Hex Nuts PG for all Adaptors, Plugs or Cable Glands Flat version for normal fastening, or cutting edge version for contacting the metal. (equipotential bonding)	Features Temp: -20C to +100C (-4F to 212F) Resistant to oil, water, ageing. Material: brass, nickel plated
---	--	--

Dimensions mm (inch) - Part Numbers

Thread PG-size	Width across flats	O.D. Hex	Thickness			Part Number	PG Sizes Normal Flat
PG 7	15(0.59)	16.6(0.65)	2.8(0.11)			GH-780.0700.0	
PG 9	18(0.71)	20.0(0.79)	2.8(0.11)			GH-780.0900.0	
PG 11	21(0.83)	23.5(0.93)	3.0(0.12)			GH-780.1100.0	
PG 13.5	23(0.91)	25.5(1.01)	3.0(0.12)			GH-780.1300.0	
PG 16	26(1.05)	29.0(1.14)	3.0(0.12)			GH-780.1600.0	
PG 21	32(1.26)	35.5(1.40)	3.5(0.14)			GH-780.2100.0	
PG 29	41(1.61)	45.0(1.57)	4.0(0.16)			GH-780.2900.0	
PG 36	51(2.00)	56.0(2.21)	5.0(0.20)			GH-780.3600.0	
PG 42	60(2.36)	65.0(2.56)	5.0(0.20)			GH-780.4200.0	
PG 48	64(2.52)	69.0(2.72)	5.5(0.22)			GH-780.4800.0	

Dimensions mm (inch) - Part Numbers

Thread PG-size	Width across flats	O. D. Hex	Thickness			Part Number	PG Sizes Normal Flat with cutting edge
PG 7	15(0.59)	16.6(0.65)	4.2(0.17)			GH-784.0700.0	
PG 9	18(0.71)	20.0(0.79)	4.2(0.17)			GH-784.0900.0	
PG 11	21(0.83)	23.5(0.93)	4.2(0.17)			GH-784.1100.0	
PG 13.5	23(0.91)	25.5(1.01)	4.2(0.17)			GH-784.1300.0	
PG 16	26(1.05)	29.0(1.14)	4.2(0.17)			GH-784.1600.0	
PG 21	32(1.26)	35.5(1.40)	4.8(0.19)			GH-784.2100.0	
PG 29	41(1.61)	45.0(1.57)	5.4(0.21)			GH-784.2900.0	
PG 36	51(2.00)	56.0(2.21)	6.5(0.26)			GH-784.3600.0	

Strain Reliefs and Accessories

Nuts for Adaptors, Cable Glands and Plugs



Lock Nuts Metric		
	Applications Hex Nuts Metric for all Adaptors, Plugs or Cable Glands Flat version for normal fastening, or cutting edge version for contacting the metal. (equipotential bonding)	Features Temp: -20C to +100C (-4F to 212F) Resistant to oil, water, ageing. Material: brass, nickel plated Material: stainless steel

Dimensions mm (inch) - Part Numbers

Thread mm-size	Width across flats	O.D. Hex	Thickness		Part Number	Metric Sizes
						Normal Flat
M12x1.5	15(0.59)	16.6(0.65)	2.8(0.11)		GH-785.1200.0	
M16x1.5	19(0.75)	21.0(0.83)	2.8(0.11)		GH-785.1600.0	
M20x1.5	24(0.95)	26.7(1.05)	3.0(0.12)		GH-785.2000.0	
M25x1.5	29(1.45)	32.0(1.26)	3.5(0.14)		GH-785.2500.0	
M32x1.5	36(1.84)	39.0(1.54)	4.0(0.16)		GH-785.3200.0	
M40x1.5	46(1.81)	50.0(1.97)	4.5(0.18)		GH-785.4000.0	
M50x1.5	57(2.24)	61.0(2.40)	5.0(0.20)		GH-785.5000.0	
M63x1.5	70(2.76)	78.0(3.07)	6.0(0.24)		GH-785.6300.0	

Dimensions mm (inch) - Part Numbers

Thread mm-size	Width across flats	O. D. Hex	Thickness		Part Number	Metric Sizes
						Normal Flat
M12x1.5	15(0.59)	16.6(0.65)	4.1(0.16)		GH-786.1200.0	with cutting edge
M16x1.5	19(0.75)	21.0(0.83)	4.2(0.17)		GH-786.1600.0	
M20x1.5	24(0.95)	26.7(1.05)	4.2(0.17)		GH-786.2000.0	
M25x1.5	30(1.18)	32.0(1.26)	4.8(0.19)		GH-786.2500.0	
M32x1.5	36(1.42)	39.0(1.54)	5.4(0.21)		GH-786.3200.0	
M40x1.5	46(1.81)	50.0(1.97)	6.2(0.24)		GH-786.4000.0	
M50x1.5	60(3.36)	61.0(2.40)	7.0(0.28)		GH-786.5000.0	
M63x1.5	70(2.76)	78.0(3.07)	7.0(0.28)		GH-786.6300.0	

Dimensions mm (inch) - Part Numbers

Thread mm-size	Width across flats	O. D. Hex	Thickness		Part Number	Metric Sizes
						Normal Flat
M12x1.5	15(0.59)	16.6(0.65)	3.0(0.12)		GH-789.1200.0	stainless steel
M16x1.5	19(0.75)	21.0(0.83)	3.0(0.12)		GH-789.1600.0	
M20x1.5	24(0.95)	26.7(1.05)	3.5(0.14)		GH-789.2000.0	
M25x1.5	30(1.18)	32.0(1.26)	3.5(0.14)		GH-789.2500.0	
M32x1.5	36(1.42)	39.0(1.54)	4.0(0.16)		GH-789.3200.0	
M40x1.5	46(1.81)	50.0(1.97)	4.5(0.18)		GH-789.4000.0	

Strain Reliefs and Accessories

Adaptors



Adaptors Metric / PG and PG - NPT

	Applications Adaptors with external metric thread to convert to an internal PG thread. For sealing purposes please order O-rings GH-871...	Features Material: brass, nickel plated Temp: -20C to +100C (-4F to 212F) Protection: IP68 (if sealed with O-ring) Resistant to oil, water, ageing. Hex Nuts: Series GH-785/786...
---	--	--

Dimensions mm (inch) - Part Numbers

Thread (external)	Thread (internal)	O. D. (body)	Heights (w/o thread)	Thread length (ext.)	Thread diameter (ext.)	Part Number	Metric/PG
M12x1.5	PG 7	14(0.55)	10.0(0.39)	5(0.20)	12(0.47)	GH-510.1207.0	
M16x1.5	PG 9	18(0.71)	10.5(0.41)	5(0.20)	16(0.63)	GH-510.1609.0	
M20x1.5	PG 11	22(0.88)	11.0(0.43)	6(0.24)	20(0.79)	GH-510.2011.0	
M20x1.5	PG 13.5	22(0.88)	12.5(0.49)	6(0.24)	20(0.79)	GH-510.2013.0	
M20x1.5	PG 16	24(0.95)	13.5(0.53)	6(0.24)	20(0.79)	GH-510.2016.0	
M25x1.5	PG 21	30(1.18)	15.0(0.59)	7(0.28)	25(0.98)	GH-510.2521.0	
M32x1.5	PG 29	39(1.54)	16.5(0.65)	8(0.32)	32(1.26)	GH-510.3229.0	
M40x1.5	PG 36	50(1.97)	19.5(0.77)	8(0.32)	40(1.57)	GH-510.4036.0	
M50x1.5	PG 42	57(2.24)	22.0(0.87)	9(0.35)	50(1.97)	GH-510.5042.0	
M63x1.5	PG 48	68(2.68)	23.0(0.92)	10(0.39)	63(2.48)	GH-510.6348.0	

	Applications Adaptors with external PG thread to convert to an internal NPT thread. The external PG thread is sealed with O-ring.	Features Material: brass, nickel plated Temp: -20C to +100C (-4F to 212F) Protection: IP68 Resistant to oil, water, ageing. Hex Nuts: Series GH-780/784...
---	---	--

Dimensions mm (inch) - Part Numbers

Thread (external)	Thread (internal)	O.D. (body)	Heights (w/o thread)	Thread length (ext.)	Thread diameter (ext.)	Part Number	PG/NPT
PG 11	3/8" NPT	20(0.79)	14(0.56)	6.0(0.24)	18.6(0.73)	PMNF-110.038	
PG 11	1/2" NPT	24(0.95)	16(0.63)	6.0(0.24)	18.6(0.73)	PMNF-110.012	
PG 13.5	1/2" NPT	24(0.95)	18(0.71)	6.5(0.26)	20.4(0.80)	PMNF-135.012	
PG 16	1/2" NPT	24(0.95)	18(0.71)	6.5(0.26)	22.5(0.88)	PMNF-160.012	
PG 21	3/4" NPT	30(1.19)	18(0.71)	7.0(0.28)	28.3(1.11)	PMNF-210.034	
PG 29	1" NPT	39(1.54)	18(0.71)	8.0(0.32)	37.0(1.45)	PMNF-290.100	
PG 36	1-1/4" NPT	50(1.97)	20(0.79)	9.0(0.36)	47.0(1.84)	PMNF-360.114	
PG 42	1-1/2" NPT	57(2.25)	18(0.71)	10(0.39)	54.0(2.11)	PMNF-420.112	

Strain Reliefs and Accessories

Enlargers



Enlargements Metric/Metric

	Applications Adaptors with smaller outside diameter and bigger inside diameter to enlarge the mounting thread. For sealing purposes order O-rings GH-871...	Features Material: brass, nickel plated Temp: -20C to +100C (-4F to 212F) Protection: IP68 (if sealed with O-ring) Resistant to oil, water, ageing. Hex Nuts: Series GH-785/786...
---	--	--

Dimensions mm (inch) - Part Numbers

Thread (external)	Thread (internal)	O. D. (body)	Heights (w/o thread)	Thread length (ext.)	Thread diameter (ext.)	Part Number	Metric/Metric
M12x1.5	M16x1.5	18(0.71)	10.5(0.41)	5(0.19)	12/16(0.47/0.63)	GH-731.1216.0	
M16x1.5	M20x1.5	22(0.88)	12.5(0.49)	5(0.19)	16/20(0.63/0.79)	GH-731.1620.0	
M20x1.5	M25x1.5	27(1.06)	14.0(0.55)	6(0.24)	20/25(0.79/0.98)	GH-731.2025.0	
M25x1.5	M32x1.5	34(1.34)	15.5(0.61)	7(0.28)	25/32(0.98/1.26)	GH-731.2532.0	
M25x1.5	M40x1.5	42(1.65)	16.5(0.65)	7(0.28)	25/40(0.98/1.57)	GH-731.2540.0	
M32x1.5	M40x1.5	42(1.65)	16.5(0.65)	8(0.32)	32/40(1.26/1.57)	GH-731.3240.0	
M32x1.5	M50x1.5	52(2.05)	19.5(0.77)	8(0.32)	32/50(1.26/1.97)	GH-731.3250.0	
M40x1.5	M50x1.5	52(2.05)	19.5(0.77)	8(0.32)	40/50(1.57/1.97)	GH-731.4050.0	
M50x1.5	M63x1.5	66(2.60)	22.0(0.87)	9(0.35)	50/63(1.97/2.48)	GH-731.5063.0	

Enlargements PG/PG

	Applications Adaptors with smaller outside diameter and bigger inside diameter to enlarge the mounting thread. For sealing purposes order O-rings GH-871...	Features Material: brass, nickel plated Temp: -20C to +100C (-4F to 212F) Protection: IP68 (if sealed with O-ring) Resistant to oil, water, ageing. Hex Nuts: Series GH-780/784...
---	--	--

Dimensions mm (inch) - Part Numbers

Thread (external)	Thread (internal)	O.D. (body)	Heights (w/o thread)	Thread length (ext.)	Thread diameter (ext.)	Part Number	PG/PG
PG7	PG9	17(0.67)	10.0(0.39)	5.0(0.20)	07/09(0.49/0.60)	GH-730.0709.0	
PG 9	PG 11	20(0.79)	10.5(0.42)	6.0(0.24)	09/11(0.60/0.73)	GH-730.0911.0	
PG 9	PG 13.5	22(0.87)	11.5(0.46)	6.0(0.24)	09/13(0.60/0.80)	GH-730.0913.0	
PG 11	PG 13.5	22(0.87)	11.5(0.46)	6.0(0.24)	11/13(0.73/0.80)	GH-730.1113.0	
PG 11	PG 16	24(0.95)	12.5(0.50)	6.0(0.24)	11/16(0.73/0.88)	GH-730.1116.0	
PG 13.5	PG 16	24(0.95)	12.5(0.50)	6.5(0.26)	13/16(0.80/0.88)	GH-730.1316.0	
PG 13.5	PG 21	30(1.19)	14.5(0.58)	6.5(0.26)	13/21(0.80/1.11)	GH-730.1321.0	
PG 16	PG 21	30(1.19)	14.5(0.58)	6.5(0.26)	16/21(0.88/1.11)	GH-730.1621.0	
PG 21	PG 29	39(1.54)	16.0(0.63)	7.0(0.28)	21/29(1.11/1.45)	GH-730.2129.0	
PG 29	PG 36	50(1.97)	19.5(0.77)	8.0(0.32)	29/36(1.45/1.84)	GH-730.2936.0	
PG 36	PG 42	57(2.25)	22.0(0.87)	9.0(0.36)	36/42(1.84/2.11)	GH-730.3642.0	
PG 42	PG 48	64(2.53)	23.0(0.91)	10.0(0.39)	42/48(2.11/2.33)	GH-730.4248.0	

Strain Reliefs and Accessories

Reducers



Reductions PG to PG and PG/Metric		
	Applications Adaptors with bigger outside diameter and smaller inside diameter to decrease the mounting thread. For sealing purposes order O-rings GH-871...	Features Material: brass, nickel plated Temp: -20C to +100C (-4F to 212F) Protection: IP68 (if sealed with O-ring) Resistant to oil, water, ageing. Hex Nuts: Series GH-780/784...

Dimensions mm (inch) - Part Numbers

Thread (external)	Thread (internal)	O. D. (body)	Heights (w/o thread)	Thread length (ext.)	Thread diameter (ext.)	Part Number	PG/PG
PG 9	PG 7	17(0.67)	2.5(0.10)	6.0(0.24)	PG 9(0.49)	GH-700.0907.0	
PG 11	PG 7	20(0.79)	2.5(0.10)	6.0(0.24)	PG 11(0.73)	GH-700.1107.0	
PG 11	PG 9	20(0.79)	2.5(0.10)	6.0(0.24)	PG 11(0.73)	GH-700.1109.0	
PG 13.5	PG 7	22(0.87)	3.5(0.14)	6.5(0.26)	PG 13.5(0.80)	GH-700.1307.0	
PG 13.5	PG 9	22(0.87)	3.5(0.14)	6.5(0.26)	PG 13.5(0.80)	GH-700.1309.0	
PG 13.5	PG 11	22(0.87)	3.5(0.14)	6.5(0.26)	PG 13.5(0.80)	GH-700.1311.0	
PG 16	PG 7	24(0.95)	3.0(0.12)	6.5(0.26)	PG 16(0.88)	GH-700.1607.0	
PG 16	PG 9	24(0.95)	3.0(0.12)	6.5(0.26)	PG 16(0.88)	GH-700.1609.0	
PG 16	PG 11	24(0.95)	3.0(0.12)	6.5(0.26)	PG 16(0.88)	GH-700.1611.0	
PG 16	PG 13.5	24(0.95)	3.0(0.12)	6.5(0.26)	PG 16(0.88)	GH-700.1613.0	
PG 21	PG 11	30(1.19)	3.0(0.12)	7.0(0.28)	PG 21(1.11)	GH-700.2111.0	
PG 21	PG 13.5	30(1.19)	3.0(0.12)	7.0(0.28)	PG 21(1.11)	GH-700.2113.0	
PG 21	PG 16	30(1.19)	3.0(0.12)	7.0(0.28)	PG 21(1.11)	GH-700.2116.0	
PG 29	PG 16	39(1.54)	3.5(0.14)	8.0(0.32)	PG 29(1.45)	GH-700.2916.0	
PG 29	PG 21	39(1.54)	3.5(0.14)	8.0(0.32)	PG 29(1.45)	GH-700.2921.0	
PG 36	PG 21	50(1.97)	3.5(0.14)	9.0(0.36)	PG 36(1.84)	GH-700.3621.0	
PG 36	PG 29	50(1.97)	3.5(0.14)	9.0(0.36)	PG 36(1.84)	GH-700.3629.0	
PG 42	PG 29	57(2.25)	4.0(0.16)	10(0.39)	PG 42(2.11)	GH-700.4229.0	
PG 42	PG 36	57(2.25)	4.0(0.16)	10(0.39)	PG 42(2.11)	GH-700.4236.0	
PG 48	PG 36	64(2.53)	4.0(0.16)	10(0.39)	PG 48(2.33)	GH-700.4836.0	
PG 48	PG 42	64(2.53)	4.0(0.16)	10(0.39)	PG 48(2.33)	GH-700.4842.0	

Dimensions mm (inch) - Part Numbers

Thread (external)	Thread (internal)	O. D. (body)	Heights (w/o thread)	Thread length (ext.)	Thread diameter (ext.)	Part Number	PG/Metric
PG 09	M16x1.5	20(0.79)	9.0(0.35)	6.0(0.24)	PG09(0.49)	GH-705.0916.0	
PG 11	M20x1.5	22(0.87)	10.0(0.39)	6.0(0.24)	PG11(0.73)	GH-705.1120.0	
PG 13.5	M20x1.5	24(0.95)	10.0(0.39)	6.5(0.26)	PG13.5(0.80)	GH-705.1320.0	
PG 16	M20x1.5	24(0.95)	3.0(0.12)	6.5(0.26)	PG 16(0.88)	GH-705.1620.0	
PG 21	M20x1.5	30(1.19)	3.0(0.12)	7.0(0.28)	PG 21(1.11)	GH-705.2120.0	
PG 21	M25x1.5	30(1.19)	3.0(0.12)	7.0(0.28)	PG 21(1.11)	GH-705.2125.0	
PG 29	M25x1.5	39(1.54)	3.5(0.14)	8.0(0.32)	PG 29(1.45)	GH-705.2925.0	

Strain Reliefs and Accessories

Reducer



Reductions Metric/Metric - Metric/PG

	Applications Adaptors with bigger outside diameter and smaller inside diameter to decrease the mounting thread. For sealing purposes order O-rings GH-871...	Features Material: brass, nickel plated Temp: -20C to +100C (-4F to 212F) Protection: IP68 (if sealed with O-ring) Resistant to oil, water, ageing. Hex Nuts: Series GH-785/786...
---	---	--

Dimensions mm (inch) - Part Numbers

Thread (external)	Thread (internal)	O. D. (body)	Heights (w/o thread)	Thread length (ext.)	Thread diameter (ext.)	Part Number	Metric/Metric
M16x1.5	M12x1.5	18(0.71)	2.5(0.10)	5(0.20)	16(0.63)	GH-701.1612.0	
M20x1.5	M12x1.5	22(0.88)	3.0(0.12)	6(0.24)	20(0.79)	GH-701.2012.0	
M20x1.5	M16x1.5	22(0.88)	3.0(0.12)	6(0.24)	20(0.79)	GH-701.2016.0	
M25x1.5	M16x1.5	27(1.06)	3.0(0.12)	7(0.28)	25(0.98)	GH-701.2516.0	
M25x1.5	M20x1.5	27(1.06)	3.0(0.12)	7(0.28)	25(0.98)	GH-701.2520.0	
M32x1.5	M20x1.5	34(1.34)	3.0(0.12)	8(0.32)	32(1.26)	GH-701.3220.0	
M32x1.5	M25x1.5	34(1.34)	3.0(0.12)	8(0.32)	32(1.26)	GH-701.3225.0	
M40x1.5	M25x1.5	43(1.69)	3.5(0.14)	8(0.32)	40(1.57)	GH-701.4025.0	
M40x1.5	M32x1.5	43(1.69)	3.5(0.14)	8(0.32)	40(1.57)	GH-701.4032.0	
M50x1.5	M32x1.5	53(2.09)	3.5(0.14)	9(0.35)	50(1.97)	GH-701.5032.0	
M50x1.5	M40x1.5	53(2.09)	3.5(0.14)	9(0.35)	50(1.97)	GH-701.5040.0	
M63x1.5	M40x1.5	66(2.60)	4.0(0.16)	10(0.39)	63(2.48)	GH-701.6340.0	
M63x1.5	M50x1.5	66(2.60)	4.0(0.16)	10(0.39)	63(2.48)	GH-701.6350.0	

Dimensions mm (inch) - Part Numbers

Thread (external)	Thread (internal)	O. D. (body)	Heights (w/o thread)	Thread length (ext.)	Thread diameter (ext.)	Part Number	Metric/PG
M16x1.5	PG 7	18(0.71)	2.5(0.10)	5(0.19)	16(0.63)	GH-706.1607.0	
M20x1.5	PG 9	22(0.88)	3.0(0.12)	6(0.24)	20(0.79)	GH-706.2009.0	
M25x1.5	PG 11	27(1.06)	3.0(0.12)	7(0.28)	25(0.98)	GH-706.2511.0	
M25x1.5	PG 13.5	27(1.06)	3.0(0.12)	7(0.28)	25(0.98)	GH-706.2513.0	
M25x1.5	PG 16	27(1.06)	3.0(0.12)	7(0.28)	25(0.98)	GH-706.2516.0	
M32x1.5	PG 16	34(1.34)	3.0(0.12)	8(0.32)	32(1.26)	GH-706.3216.0	
M32x1.5	PG 21	34(1.34)	3.0(0.12)	8(0.32)	32(1.26)	GH-706.3221.0	
M40x1.5	PG 21	43(1.69)	3.5(0.14)	8(0.32)	40(1.57)	GH-706.4021.0	
M50x1.5	PG 29	53(2.09)	3.5(0.14)	9(0.35)	50(1.97)	GH-706.5029.0	
M63x1.5	PG 36	66(2.60)	4.0(0.16)	10(0.39)	63(2.48)	GH-706.6336.0	
M63x1.5	PG 42	66(2.60)	4.0(0.16)	10(0.39)	63(2.48)	GH-706.6342.0	

Strain Reliefs and Accessories

Plugs



Plugs PG Sizes

	<p>Applications</p> <p>Plugs with external PG thread to prevent contaminants from entering into enclosures.</p> <p>The best way to keep open threaded holes completely closed.</p>	<p>Features</p> <p>Material: brass, nickel plated</p> <p>Temp: -20C to +100C (-4F to 212F)</p> <p>Protection: IP68 (if sealed with O-ring)</p> <p>Resistant to oil, water, ageing.</p> <p>Hex Nuts: Series GH-785/780...</p>
---	---	---

Dimensions mm (inch) - Part Numbers

Thread PG-size	Thread O.D.	O. D. Top	Heights (w/o thread)	Thread length (ext.)	Part Number	w/o O-ring
PG 7	12.5(0.49)	14(0.55)	3.0(0.12)	5.0(0.19)	GH-750.0700.0	
PG 9	15.2(0.60)	17(0.67)	3.0(0.12)	6.0(0.24)	GH-750.0900.0	
PG 11	18.6(0.73)	20(0.79)	3.0(0.12)	6.0(0.24)	GH-750.1100.0	
PG 13.5	20.4(0.80)	22(0.87)	3.0(0.12)	6.5(0.26)	GH-750.1300.0	
PG 16	22.5(0.88)	24(0.95)	3.0(0.12)	6.5(0.26)	GH-750.1600.0	
PG 21	28.3(1.11)	30(1.19)	4.0(0.16)	7.0(0.28)	GH-750.2100.0	
PG 29	37.0(1.45)	39(1.54)	4.0(0.16)	8.0(0.32)	GH-750.2900.0	
PG 36	47.0(1.84)	50(1.97)	6.0(0.24)	9.0(0.35)	GH-750.3600.0	
PG 42	54.0(2.11)	57(2.25)	6.0(0.24)	10(0.39)	GH-750.4200.0	
PG 48	59.3(2.33)	64(2.53)	6.0(0.24)	10(0.39)	GH-750.4800.0	

Dimensions mm (inch) - Part Numbers

Thread PG-size	Thread O.D.	O. D. Top	Heights (w/o thread)	Thread length (ext.)	Part Number	with O-ring
PG 7	12.5(0.49)	15(0.59)	2.5(0.10)	5.0(0.19)	GH-752.0700.0	
PG 9	15.2(0.60)	18(0.71)	3.0(0.12)	5.0(0.19)	GH-752.0900.0	
PG 11	18.6(0.73)	22(0.87)	3.0(0.12)	5.0(0.19)	GH-752.1100.0	
PG 13.5	20.4(0.80)	24(0.95)	3.0(0.12)	6.0(0.24)	GH-752.1300.0	
PG 16	22.5(0.88)	26(1.02)	3.0(0.12)	6.0(0.24)	GH-752.1600.0	
PG 21	28.3(1.11)	32(1.26)	4.0(0.16)	6.0(0.24)	GH-752.2100.0	
PG 29	37.0(1.45)	40(1.58)	4.0(0.16)	8.0(0.32)	GH-752.2900.0	

Strain Reliefs and Accessories

Plugs



Plugs Metric Sizes

	<p>Applications</p> <p>Plugs with external Metric thread to prevent contaminants from entering into enclosures.</p> <p>The best way to keep open threaded holes completely closed.</p>	<p>Features</p> <p>Material: brass, nickel plated</p> <p>Temp: -20C to +100C (-4F to 212F)</p> <p>Protection: IP68 (if sealed with O-ring)</p> <p>Resistant to oil, water, ageing.</p> <p>Hex Nuts: Series GH-785/780...</p>
---	---	---

Dimensions mm (inch) - Part Numbers

Thread mm-size	Thread O.D.	O. D. Top	Heights (w/o thread)	Thread length (ext.)	Part Number	w/o O-ring
M12x1.5	12(0.47)	14(0.55)	2.5(0.10)	5(0.19)	GH-755.1200.0	
M16x1.5	16(0.63)	18(0.71)	3.0(0.12)	5(0.19)	GH-755.1600.0	
M20x1.5	20(0.79)	22(0.88)	3.5(0.14)	6(0.24)	GH-755.2000.0	
M25x1.5	25(0.98)	28(1.10)	4.0(0.16)	7(0.28)	GH-755.2500.0	
M32x1.5	32(1.26)	35(1.38)	4.0(0.16)	8(0.32)	GH-755.3200.0	
M40x1.5	40(1.57)	43(1.69)	5.0(0.19)	8(0.32)	GH-755.4000.0	
M50x1.5	50(1.97)	53(2.09)	6.0(0.24)	9(0.35)	GH-755.5000.0	
M63x1.5	63(2.48)	66(2.60)	6.0(0.24)	10(0.39)	GH-755.6300.0	

Dimensions mm (inch) - Part Numbers

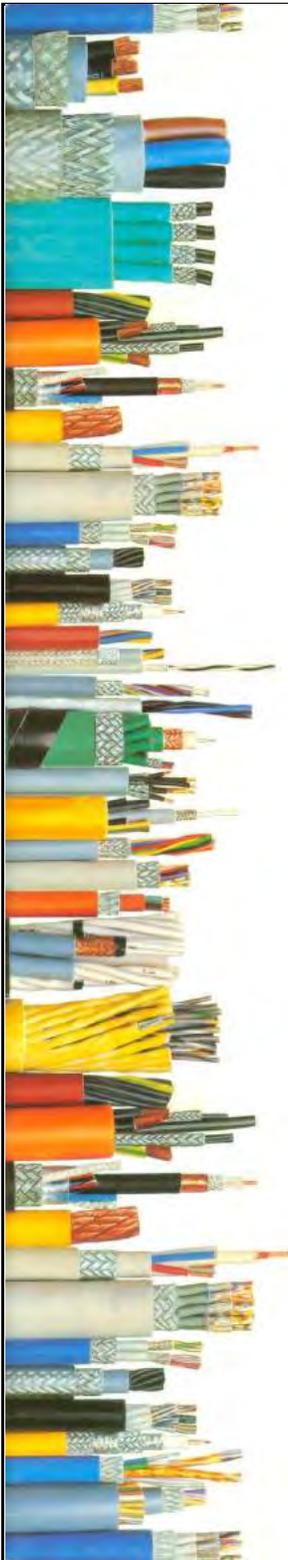
Thread mm-size	Thread O.D.	O. D. Top	Heights (w/o thread)	Thread length (ext.)	Part Number	with O-ring
M12x1.5	12(0.47)	14(0.55)	2.5(0.10)	5(0.19)	GH-758.1200.0	
M16x1.5	16(0.63)	18(0.71)	3.0(0.12)	5(0.19)	GH-758.1600.0	
M20x1.5	20(0.79)	22(0.88)	3.5(0.14)	6(0.24)	GH-758.2000.0	
M25x1.5	25(0.98)	28(1.10)	4.0(0.16)	7(0.28)	GH-758.2500.0	
M32x1.5	32(1.26)	35(1.38)	4.0(0.16)	8(0.32)	GH-758.3200.0	
M40x1.5	40(1.57)	44(1.73)	5.0(0.19)	8(0.32)	GH-758.4000.0	
M50x1.5	50(1.97)	54(2.12)	6.0(0.24)	9(0.35)	GH-758.5000.0	
M63x1.5	63(2.48)	67(2.64)	6.0(0.24)	10(0.39)	GH-758.6300.0	

Strain Reliefs and Accessories

O-rings



Sealing Rings							
		Applications Provide an external seal between the adaptors, reducers, enlargers, cord grips, strain reliefs etc... and the enclosure wall.			Features Material: Perbunan (NBR) Temp: -40C to +140C (-40F to 282F) Resistant to oil, water, ageing.		
		Dimensions mm (inch) - Part Numbers					
Outer diameter	Inner diameter	Ring thickness	Usable for	Usable for	Usable for	Part Number	for Metric for PG for NPT
13(0.51)	10(0.39)	1.5(0.06)	M 12	PG 7	1/4" NPT	GH-871.0700.0	
16(0.63)	13(0.51)	1.5(0.06)	M 16	PG 9	3/8" NPT	GH-871.0900.0	
19(0.75)	16(0.63)	1.5(0.06)	M 20	PG 11	-	GH-871.1100.0	
21(0.83)	18(0.71)	1.5(0.06)	-	PG 13.5	1/2" NPT	GH-871.1300.0	
23(0.91)	20(0.79)	1.5(0.06)	-	PG 16	5/8" NPT	GH-871.1600.0	
26(1.02)	22(0.87)	2.0(0.08)	M 25	-	1" NPT	GH-871.2515.0	
29(1.14)	25(0.98)	2.0(0.08)	-	PG 21	-	GH-871.2100.0	
33(1.30)	29(1.45)	2.0(0.08)	M 32	-	-	GH-871.3215.0	
37(1.46)	33(1.30)	2.0(0.08)	-	PG 29	1 1/8" NPT	GH-871.2900.0	
41(1.61)	37(1.45)	2.0(0.08)	M 40	-	-	GH-871.4015.0	
47(1.85)	43(1.69)	2.0(0.08)	-	PG 36	1 1/2 NPT	GH-871.3600.0	
51(2.04)	47(1.84)	2.0(0.08)	M 50	-	-	GH-871.5015.0	
54(2.13)	50(1.97)	2.0(0.08)	-	PG 42	1 3/4" NPT	GH-871.4200.0	
59(2.32)	55(2.17)	2.0(0.08)	-	PG 48	2 " NPT	GH-871.4800.0	
64(2.52)	60(2.36)	2.0(0.08)	M 63	-	-	GH-871.6315.0	



**has more than 30 years
of experience in ...**

**Data cables
Power cables
Control cables
Power chain cables
Round cables
Flat cables**



Your partner for the United States ...



**rde Connectors & Cables, Inc.
5277 NW 108 Avenue
Sunrise, FL 33351
Phone: 800-511-7184
Fax: 954-746-4700**



Data Cable - Control Cable - Power Cable

E&OE (HF = halogen-free)

Series	Jacket color	Jacket mat.	Wire colors	UL/CSA	CE	max. Voltage	Shield	Normflex	Highflex	Superifex	AWG size	mm ² size	Conductors
167	gray	PVC	numbers w. gn/yell.	•	•	600 Volt	•	•			20 - 2	0.5 - 35.0	2 - 50
168	gray	PVC	numbers w. gn/yell.	•	•	600 Volt	•	•			20 - 2	0.5 - 35.0	2 - 41
181	green	PUR	special colors	•	•	300 Volt	•			HF	26-17	0.14-1.00	compos.
210	gray	PVC	DIN 47100		•	300/500 Volt		•			26 - 16	0.14 - 1.5	2 - 61
220	gray	PVC	DIN 47100		•	300/500 Volt	•	•			26 - 14	0.14 - 2.5	1 - 61
567	yellow	PUR	bn,bu,bk,wh,gn/yell.	•	•	300 Volt				•	24-22	0.25-0.34	3-5
569	gray	PUR	DIN 47100		•	250 Volt	•			HF	26-22	0.14-0.34	2-25
569	gray	PUR	numbers w. gn/yell.		•	300/500 Volt	•			HF	20-6	0.50-16.0	2-65
570	gray	PVC	DIN 47100		•	250 Volt				•	26-22	0.14-0.34	2-25
570	gray	PVC	numbers w. gn/yell.		•	300/500 Volt				•	20-6	0.50-16.00	2-65
570	black	PVC	numbers w. gn/yell.	•	•	600 Volt				•	20-10	0.50-6.00	2-50
572	gray	PUR	DIN 47100		•	250 Volt				HF	26-22	0.14-0.34	2-25
572	gray	PUR	numbers w. gn/yell.		•	300/500 Volt				HF	20-6	0.50-16.00	2-65
573	gray	PVC	DIN 47100		•	250 Volt	•			•	26-22	0.14-0.34	2-25
573	gray	PVC	numbers w. gn/yell.		•	300/500 Volt	•			•	20-6	0.50-16.00	2-65
573	black	PVC	numbers w. gn/yell.	•	•	600 Volt	•			•	20-6	0.50-6.00	2-50
575	gray	PUR	DIN 47100		•	250 Volt				•	26-22	0.14-0.34	2-25
575	gray	PUR	numbers w. gn/yell.		•	300/500 Volt				•	20-6	0.50-16.00	3-65
575	gray	PUR	numbers w. gn/yell.	•	•	600 Volt				•	20-10	0.50-6.00	3-61
576	gray	PUR	DIN 47100		•	250 Volt	•			•	26-22	0.14-0.34	2-25
576	gray	PUR	numbers w. gn/yell.		•	300/500 Volt	•			•	20-6	0.50-16.00	3-65
576	gray	PUR	numbers w. gn/yell.	•	•	600 Volt	•			•	20-8	0.50-10.00	3-50
580	black	PUR	1,2,3 + gn/yell.	•	•	1,000 Volt				HF	16-1	1.50-50.00	4
581	gray	PUR	1,2,3 + gn/yell.		•	500/1,000 Volt	•			HF	16-1	1.50-50.00	4
581	orange	PUR	1,2,3 + gn/yell.	•	•	1,000 Volt	•			HF	16-1	1.50-50.00	4
582	orange	PUR	1,2,3+gn/yell. + pairs	•	•	1,000 Volt	•			•	19-1	0.75-50.00	4+1(2)pr.
585	orange	PVC	1,2,3 + gn/yell.	•	•	1,000 Volt	•	•			16-1	1.50-50.00	4
586	black	PVC	1,2,3 + gn/yell.	•	•	1,000 Volt			•		16-1	1.50-50.00	4

The complete Catalog with all ConCab Products you will find on the Internet under....

rde-usa.com/pdf/ConCabCablesandWires.pdf

Cordsets with Coninvers Connectors M 23/ M 27

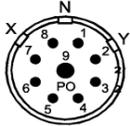
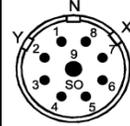
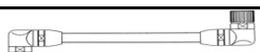
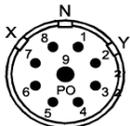
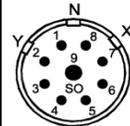
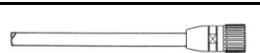
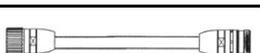
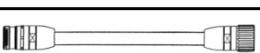
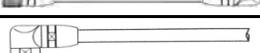
Table of Contents

 <p>M 23 - 9 positions Remote Installation Bus Cables Page H-B-01</p>	 <p>M 23 - 9 positions Remote Bus Cables Pages H-B-01-03</p>	 <p>M 23 - 6 positions Power Bus Cables Page H-B-04</p>
 <p>M 12 - DB9 - 2 positions Bus Data Cable Page H-B-05</p>	 <p>M 23 - 12 positions Control Cables Page H-C-01</p>	 <p>M 23 - 19 positions Control Cables Pages H-C-02-03</p>
 <p>M 27 - 26/28 positions Control Cables Pages H-D-01-04</p>	 <p>M 23 Bulkhead style 6 with PVC wires Page H-E-01</p>	 <p>M 23 Bulkhead style H with PVC wires Page H-E-03</p>
 <p>M 23 Bulkhead style 4 with PVC wires Pages H-E-05-08</p>	 <p>M 23 Bulkhead style 2 with PVC wires Pages H-E-09-10</p>	 <p>M 23 Bulkhead style Y with PVC wires Pages H-E-11-13</p>
 <p>M 27 Bulkhead style 6 with PVC wires Page H-F-01</p>	 <p>M 27 Bulkhead style 43 with PVC wires Page H-F-02</p>	 <p>M 27 Bulkhead style H with PVC wires Page H-F-03</p>
 <p>M 27 Bulkhead style 2 with PVC wires Page H-F-05</p>	 <p>M 27 Bulkhead style 41 with PVC wires Page H-F-04</p>	 <p>M 27 Bulkhead style W with PVC wires Pages H-F-06-07</p>

Cordsets with Coninvers Connectors M 23

9 position (8+1) shielded - PUR - purple/green - 24AWG/17AWG			
<p>9 pos. male connector left side</p>	<p>Wiring Diagram</p> <p>1 yellow 1</p> <p>2 green 2</p> <p>3 gray 3</p> <p>4 pink 4</p> <p>9+5 brown 5</p> <p>6 green/yellow 6</p> <p>7 red 7</p> <p>8 blue 8</p>	<p>9 pos. female connector right side</p>	<p>Remote Installation Bus Cable</p>
	<p>assembled with Cable CC-94-025-03601, very flexible, fully shielded.</p> <p>Cable construction: 3 pairs with 0.25 mm² (24AWG) white-brown - green-yellow - gray-pink 3 power conductors 1.00 mm² (17AWG) red, blue, green/yellow</p> <p>Cable dia. 9.3 mm Ø (0.37 inches)</p> 		
			<p>Part Number (xxxx = length of cable)</p>
			<p>AR-09M8-09F8-3P3-xxxx (purple)</p> <p>AR-09M8-09F8-3G3-xxxx (green)</p>
			<p>AR-09M8-0000-3P3-xxxx (purple)</p> <p>AR-09M8-0000-3G3-xxxx (green)</p>
			<p>AR-0000-09F8-3P3-xxxx (purple)</p> <p>AR-0000-09F8-3G3-xxxx (green)</p>
			<p>AR-09M8-09F9-3P3-xxxx (purple)</p> <p>AR-09M8-09F9-3G3-xxxx (green)</p>
			<p>AR-09M9-09F8-3P3-xxxx (purple)</p> <p>AR-09M9-09F8-3G3-xxxx (green)</p>
			<p>AR-09MT-09F8-3P3-xxxx (purple)</p> <p>AR-09MT-09F8-3G3-xxxx (green)</p>
			<p>AR-09M8-09FT-3P3-xxxx (purple)</p> <p>AR-09M8-09FT-3G3-xxxx (green)</p>
			<p>AR-09MT-0000-3P3-xxxx (purple)</p> <p>AR-09MT-0000-3G3-xxxx (green)</p>
			<p>AR-0000-09FT-3P3-xxxx (purple)</p> <p>AR-0000-09FT-3G3-xxxx (green)</p>
			<p>AR-09MT-09FT-3P3-xxxx (purple)</p> <p>AR-09MT-09FT-3G3-xxxx (green)</p>
<p>9 pos. male connector left side</p>	<p>Wiring Diagram</p> <p>1 yellow 1</p> <p>2 green 2</p> <p>3 gray 3</p> <p>4 pink 4</p> <p>5 brown 5</p>	<p>9 pos. female connector right side</p>	<p>Remote Bus Cable</p>
	<p>assembled with Cable CC-94-025-036, very flexible, fully shielded.</p> <p>Cable construction: 3 pairs with 0.25 mm² (24AWG) white-brown - green-yellow - gray-pink</p> <p>Cable dia. 8.2 mm Ø (0.33 inches)</p> 		
			<p>Part Number (xxxx = length of cable)</p>
			<p>AR-09M8-09F8-3PE-xxxx (purple)</p> <p>AR-09M8-09F8-3GE-xxxx (green)</p>
			<p>AR-09M8-0000-3PE-xxxx (purple)</p> <p>AR-09M8-0000-3GE-xxxx (green)</p>
			<p>AR-0000-09F8-3PE-xxxx (purple)</p> <p>AR-0000-09F8-3GE-xxxx (green)</p>
			<p>AR-09M8-09F9-3PE-xxxx (purple)</p> <p>AR-09M8-09F9-3GE-xxxx (green)</p>
			<p>AR-09M9-09F8-3PE-xxxx (purple)</p> <p>AR-09M9-09F8-3GE-xxxx (green)</p>

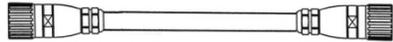
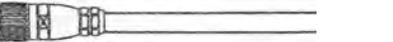
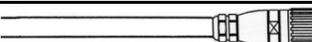
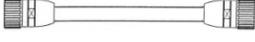
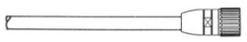
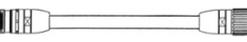
Cordsets with Coninvers Connectors M 23

9 position (8+1) shielded - PUR - purple/green - 24AWG																				
 9 pos. male connector left side	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #d3d3d3;"> <th colspan="2" style="text-align: left; padding: 2px;">Wiring Diagram</th> </tr> </thead> <tbody> <tr><td style="padding: 2px;">1 yellow</td><td style="padding: 2px;">1</td></tr> <tr><td style="padding: 2px;">2 green</td><td style="padding: 2px;">2</td></tr> <tr><td style="padding: 2px;">3 gray</td><td style="padding: 2px;">3</td></tr> <tr><td style="padding: 2px;">4 pink</td><td style="padding: 2px;">4</td></tr> <tr><td style="padding: 2px;">5 brown</td><td style="padding: 2px;">5</td></tr> </tbody> </table>	Wiring Diagram		1 yellow	1	2 green	2	3 gray	3	4 pink	4	5 brown	5	 9 pos. female connector right side	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #fce4d6;"> <th style="text-align: left; padding: 2px;">Remote Bus Cable</th> </tr> </thead> <tbody> <tr><td style="padding: 2px;">assembled with Cable CC-94-025-036, very flexible, fully shielded.</td></tr> <tr><td style="padding: 2px;">Cable construction: 3 pairs with 0.25 mm² (24AWG) white-brown - green-yellow - gray-pink</td></tr> <tr><td style="padding: 2px;">Cable dia. 8.2 mm Ø (0.33 inches)</td></tr> <tr style="background-color: #d3d3d3;"> <th style="text-align: left; padding: 2px;">Part Number (xxxx = length of cable)</th> </tr> </tbody> </table>	Remote Bus Cable	assembled with Cable CC-94-025-036, very flexible, fully shielded.	Cable construction: 3 pairs with 0.25 mm ² (24AWG) white-brown - green-yellow - gray-pink	Cable dia. 8.2 mm Ø (0.33 inches)	Part Number (xxxx = length of cable)
Wiring Diagram																				
1 yellow	1																			
2 green	2																			
3 gray	3																			
4 pink	4																			
5 brown	5																			
Remote Bus Cable																				
assembled with Cable CC-94-025-036, very flexible, fully shielded.																				
Cable construction: 3 pairs with 0.25 mm ² (24AWG) white-brown - green-yellow - gray-pink																				
Cable dia. 8.2 mm Ø (0.33 inches)																				
Part Number (xxxx = length of cable)																				
	AR-09MT-09F8-3PE-xxxx (purple) AR-09MT-09F8-3GE-xxxx (green)	<div style="text-align: right; margin-bottom: 10px;">  </div> The four xxxx at the end of the part number defines the length of your cable. You can choose to order the length in meters or in feet. F.e. 005 F = 5 feet long 005M = 5 meters long																		
	AR-09M8-09FT-3PE-xxxx (purple) AR-09M8-09FT-3GE-xxxx (green)																			
	AR-09MT-0000-3PE-xxxx (purple) AR-09MT-0000-3GE-xxxx (green)																			
	AR-0000-09FT-3PE-xxxx (purple) AR-0000-09FT-3GE-xxxx (green)																			
	AR-09MT-09FT-3PE-xxxx (purple) AR-09MT-09FT-3GE-xxxx (green)																			
 9 pos. male connector left side	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #d3d3d3;"> <th colspan="2" style="text-align: left; padding: 2px;">Wiring Diagram</th> </tr> </thead> <tbody> <tr><td style="padding: 2px;">1 yellow</td><td style="padding: 2px;">1</td></tr> <tr><td style="padding: 2px;">2 green</td><td style="padding: 2px;">2</td></tr> <tr><td style="padding: 2px;">3 gray</td><td style="padding: 2px;">3</td></tr> <tr><td style="padding: 2px;">4 pink</td><td style="padding: 2px;">4</td></tr> <tr><td style="padding: 2px;">9+5 brown</td><td style="padding: 2px;">5</td></tr> </tbody> </table>	Wiring Diagram		1 yellow	1	2 green	2	3 gray	3	4 pink	4	9+5 brown	5	 9 pos. female connector right side	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #fce4d6;"> <th style="text-align: left; padding: 2px;">Remote Bus Cable</th> </tr> </thead> <tbody> <tr><td style="padding: 2px;">assembled with Cable CC-94-025-036, very flexible, fully shielded.</td></tr> <tr><td style="padding: 2px;">Cable construction: 3 pairs with 0.25 mm² (24AWG) white-brown - green-yellow - gray-pink</td></tr> <tr><td style="padding: 2px;">Cable dia. 8.2 mm Ø (0.33 inches)</td></tr> <tr style="background-color: #d3d3d3;"> <th style="text-align: left; padding: 2px;">Part Number (xxxx = length of cable)</th> </tr> </tbody> </table>	Remote Bus Cable	assembled with Cable CC-94-025-036, very flexible, fully shielded.	Cable construction: 3 pairs with 0.25 mm ² (24AWG) white-brown - green-yellow - gray-pink	Cable dia. 8.2 mm Ø (0.33 inches)	Part Number (xxxx = length of cable)
Wiring Diagram																				
1 yellow	1																			
2 green	2																			
3 gray	3																			
4 pink	4																			
9+5 brown	5																			
Remote Bus Cable																				
assembled with Cable CC-94-025-036, very flexible, fully shielded.																				
Cable construction: 3 pairs with 0.25 mm ² (24AWG) white-brown - green-yellow - gray-pink																				
Cable dia. 8.2 mm Ø (0.33 inches)																				
Part Number (xxxx = length of cable)																				
	AR-09M8-09F8-3PC-xxxx (purple) AR-09M8-09F8-3GC-xxxx (green)	<div style="text-align: right; margin-bottom: 10px;">  </div> The four xxxx at the end of the part number defines the length of your cable. You can choose to order the length in meters or in feet. F.e. 005 F = 5 feet long 005M = 5 meters long																		
	AR-09M8-0000-3PC-xxxx (purple) AR-09M8-0000-3GC-xxxx (green)																			
	AR-0000-09F8-3PC-xxxx (purple) AR-0000-09F8-3GC-xxxx (green)																			
	AR-09M8-09F9-3PC-xxxx (purple) AR-09M8-09F9-3GC-xxxx (green)																			
	AR-09M9-09F8-3PC-xxxx (purple) AR-09M9-09F8-3GC-xxxx (green)																			
	AR-09MT-09F8-3PC-xxxx (purple) AR-09MT-09F8-3GC-xxxx (green)																			
	AR-09M8-09FT-3PC-xxxx (purple) AR-09M8-09FT-3GC-xxxx (green)																			
	AR-09MT-0000-3PC-xxxx (purple) AR-09MT-0000-3GC-xxxx (green)																			
	AR-0000-09FT-3PC-xxxx (purple) AR-0000-09FT-3GC-xxxx (green)																			
	AR-09MT-09FT-3PC-xxxx (purple) AR-09MT-09FT-3GC-xxxx (green)																			
	AR-09MT-09FT-3GC-xxxx (green)																			

Cordsets with Coninvers Connectors M 23

9 position (8+1) shielded - PUR - purple/green - 24AWG										
<p>9 pos. male connector left side</p>	<table border="1"> <tr><th>Wiring Diagram</th></tr> <tr><td>1 yellow 1</td></tr> <tr><td>2 green 6</td></tr> <tr><td>3 gray 2</td></tr> <tr><td>4 pink 7</td></tr> <tr><td>9+5 brown 3</td></tr> </table>	Wiring Diagram	1 yellow 1	2 green 6	3 gray 2	4 pink 7	9+5 brown 3	<p>9 pos. female connector right side</p>	Remote Bus Cable assembled with Cable CC-94-025-036, very flexible, fully shielded. Cable construction: 3 pairs with 0.25 mm ² (24AWG) white-brown - green-yellow - gray-pink Cable dia. 8.2 mm Ø (0.33 inches) 	
	Wiring Diagram									
1 yellow 1										
2 green 6										
3 gray 2										
4 pink 7										
9+5 brown 3										
Part Number (xxxx = length of cable)										
			AR-09M8-D09F-3P0-xxxx (purple) AR-09M8-D09F-3G0-xxxx (green)							
			AR-09MT-D09F-3P0-xxxx-purple AR-09MT-D09F-3G0-xxxx (green)							
			AR-0000-D09F-3P0-xxxx (purple) AR-0000-D09F-3G0-xxxx (green)							
			The four xxxx at the end of the part number defines the length of your cable. You can choose to order the length in meters or in feet. F.e. 005 F = 5 feet long 005M = 5 meters long							
<p>9 pos. male connector left side</p>	<table border="1"> <tr><th>Wiring Diagram</th></tr> <tr><td>1 yellow 1</td></tr> <tr><td>6 green 2</td></tr> <tr><td>2 gray 3</td></tr> <tr><td>7 pink 4</td></tr> <tr><td>3 brown 5</td></tr> <tr><td>««5+9 jumper</td></tr> </table>	Wiring Diagram	1 yellow 1	6 green 2	2 gray 3	7 pink 4	3 brown 5	««5+9 jumper	<p>9 pos. female connector right side</p>	Remote Bus Cable assembled with Cable CC-94-025-036, very flexible, fully shielded. Cable construction: 3 pairs with 0.25 mm ² (24AWG) white-brown - green-yellow - gray-pink Cable dia. 8.2 mm Ø (0.33 inches) 
	Wiring Diagram									
1 yellow 1										
6 green 2										
2 gray 3										
7 pink 4										
3 brown 5										
««5+9 jumper										
Part Number (xxxx = length of cable)										
			AR-D09M-09F8-3PB-xxxx (purple) AR-D09M-09F8-3GB-xxxx (green)							
			AR-D09M-09FT-3PB-xxxx (purple) AR-D09M-09FT-3GB-xxxx (green)							
			AR-D09M-0000-3PB-xxxx (purple) AR-D09M-0000-3GB-xxxx (green)							
			The four xxxx at the end of the part number defines the length of your cable. You can choose to order the length in meters or in feet. F.e. 005 F = 5 feet long 005M = 5 meters long							
<p>9 pos. male connector left side</p>	<table border="1"> <tr><th>Wiring Diagram</th></tr> <tr><td>1 yellow 1</td></tr> <tr><td>6 green 6</td></tr> <tr><td>2 gray 2</td></tr> <tr><td>7 pink 7</td></tr> <tr><td>3 brown 3</td></tr> <tr><td>««5+9 jumper</td></tr> </table>	Wiring Diagram	1 yellow 1	6 green 6	2 gray 2	7 pink 7	3 brown 3	««5+9 jumper	<p>9 pos. female connector right side</p>	Remote Bus Cable assembled with the same cable as before
	Wiring Diagram									
1 yellow 1										
6 green 6										
2 gray 2										
7 pink 7										
3 brown 3										
««5+9 jumper										
Part Number (xxxx = length of cable)										
			AR-D09M-D09F-3PA-xxxx (purple) AR-D09M-D09F-3GA-xxxx (green)							
			AR-0000-D09F-3PA-xxxx (purple) AR-0000-D09F-3GA-xxxx (green)							
			AR-D09M-0000-3PA-xxxx (purple) AR-D09M-0000-3GA-xxxx (green)							
										

Cordsets with Coninvers Connectors M 23

6 position unshielded - PUR/PVC - gray - 16AWG			
 6 pos. male connector left side	Wiring Diagram 1 green/yellow 1 2 black(2) 2 3 black(3) 3 4 black(4) 4 5 black(5) 5 6 black(6) 6 conductor no.1 not used	 6 pos. female connector right side	Multipurpose Power Cable assembled with Cable CC-110-0015-007, PVC gray, flexible (7LU) assembled with Cable CC-141-16-07, PUR/UL gray, flexible (7PU) Cable construction: 7 conductors 1.5 mm ² (16AWG) 6 conductors black with white consec. numbers (1-6) plus one ground wire green/yellow 7LU =Cable dia. 9.1 mm Ø (0.36 inches) 7PU =Cable dia. 10.7 mm Ø (0.42 inches)
Part Number (xxxx = length of cable)			
			AR-06M1-06F1-7LU(7PU)-xxxx
			AR-06M1-0000-7LU(7PU)-xxxx
			AR-0000-06F1-7LU(7PU)-xxxx
			AR-06M1-06F7-7LU(7PU)-xxxx
			AR-06M7-06F1-7LU(7PU)-xxxx
			AR-06MZ-06F1-7LU(7PU)-xxxx
			AR-06M1-06FZ-7LU(7PU)-xxxx
			AR-06MZ-0000-7LU(7PU)-xxxx
			AR-0000-06FZ-7LU(7PU)-xxxx
			AR-06MZ-06FZ-7LU(7PU)-xxxx
			The four xxxx at the end of the part number defines the length of your cable. You can choose to order the length in meters or in feet. F.e. 005 F = 5 feet long 005M = 5 meters long
6 position shielded - PUR - gray - 18AWG			
 6 pos. male connector left side	Wiring Diagram 1 white 1 2 brown 2 Shield connected to male side only	 6 pos. female connector right side	Power cable assembled with cable CC-512-0007-001 Schleppflex PUR gray, superflex, fully shielded Cable construction: 1 pair with 0.75 mm ² (18AWG) conductor colors: white and brown Cable dia.: 6.0 mm Ø (0.24 inches)
Part Number (xxxx = length of cable)			
			AR-06M8-06F8-1PK-xxxx
			AR-06M8-0000-1PK-xxxx
			AR-0000-06F8-1PK-xxxx
			AR-06M8-06F9-1PK-xxxx
			AR-06M9-06F8-1PK-xxxx
			The four xxxx at the end of the part number defines the length of your cable. You can choose to order the length in meters or in feet. F.e. 005 F = 5 feet long 005M = 5 meters long

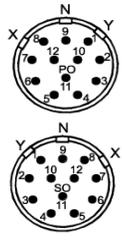


Cordsets with DB 09 and M 12 Connectors

9 position shielded cable - PUR - purple for Profibus®			
 9 position	Wiring Diagram 3 green 3 8 red 8	 9 position	Bus - Data - Cable assembled with Cable Schleppflex-PUR-C-94 flexible, fully shielded CC-94-024-016 Cable construction: 1 pair with 0.64 mm Ø conductor colors: green and red
	Part Number (xxxx = length of cable)		Cable diameter 8.2 mm Ø 0.33 inches Ø
male		male	AR-D09M-D09M-L94-xxxx
male		female	AR-D09M-D09F-L94-xxxx
female		female	AR-D09F-D09F-L94-xxxx
male			AR-D09M-0000-L94-xxxx
female			AR-D09F-0000-L94-xxxx
9/5 position shielded cable - PUR - purple for Profibus® (M 12 bulkhead)			
 9 position	Wiring Diagram 3 green 2 8 red 4	 5 position reverse key	Bus - Data - Cable assembled with Cable Schleppflex-PUR-C-94, flexible, shielded, CC-94-024-016 Cable construction: 1 pair with 0.64 mm Ø conductor colors: green and red Cable diameter 8.2 mm Ø (0.33 inches)
	Part Number (xxxx = length of cable)		The four xxxx at the end of the part number defines the length of your cable. You can choose to order the length in meters or in feet. F.e. 005 F = 5 feet long 005M = 5 meters long
male		female	AR-D09M-BRKF-L95-xxxx
female		female	AR-D09F-BRKF-L95-xxxx
		female	AR-0000-BRKF-L95-xxxx
9/5 position shielded cable - PUR - purple for Profibus® (M 12 cable)			
 9 position	Wiring Diagram 3 green 2 8 red 4	 5 position reverse key	Bus - Data - Cable assembled with Cable Schleppflex-PUR-C-94, flexible, shielded, CC-94-024-016 Cable construction: 1 pair with 0.64 mm Ø conductor colors: green and red Cable diameter 8.2 mm Ø (0.33 inches)
	Part Number (xxxx = length of cable)		The four xxxx at the end of the part number defines the length of your cable. You can choose to order the length in meters or in feet. F.e. 005 F = 5 feet long 005M = 5 meters long
male		male	AR-D09M-KRKM-L95-xxxx
female		male	AR-D09F-KRKM-L95-xxxx
		male	AR-0000-KRKM-L95-xxxx

Cordsets with Coninvers Connectors M 23

12 position unshielded - PUR/PVC - gray - 17 AWG

Wiring Diagram 1 : 1		Cordsets with Control Cable		
 <p style="margin-top: 10px;">male or female</p>	Pin 01	black wire with no. 1		
	Pin 02	black wire with no. 2		
	Pin 03	black wire with no. 3		
	Pin 04	black wire with no. 4		
	Pin 05	black wire with no. 5		
	Pin 06	black wire with no. 6		
	Pin 07	black wire with no. 7		
	Pin 08	black wire with no. 8		
	Pin 09	black wire with no. 9		
	Pin 10	black wire with no. 10		
	Pin 11	black wire with no. 11		
	Pin 12	gren/yellow		
		Part Number (xxxx = length of cable)		
male		female	AR-12M1-12F1-002(003)-xxxx	<p>The four xxxx at the end of the part number defines the length of your cable. You can choose to order the length in meters or in feet.</p> <p>F.e. 005 F = 5 feet long 005M = 5 meters long</p>  
male		male	AR-12M1-12M1-002(003)-xxxx	
female		female	AR-12F1-12F1-002(003)-xxxx	
male			AR-12M1-0000-002(003)-xxxx	
female			AR-12F1-0000-002(003)-xxxx	
male		female	AR-12M1-12F7-002(003)-xxxx	
female		male	AR-12F1-12M7-002(003)-xxxx	
male		male	AR-12M1-12M7-002(003)-xxxx	
female		female	AR-12F1-12F7-002(003)-xxxx	
male			AR-12M7-0000-002(003)-xxxx	
female			AR-12F7-0000-002(003)-xxxx	
male		female	AR-12MZ-12F1-002(003)-xxxx	
female		male	AR-12FZ-12M1-002(003)-xxxx	
male		male	AR-12MZ-12M1-002(003)-xxxx	
female		female	AR-12FZ-12F1-002(003)-xxxx	
male		female	AR-12MZ-12F7-002(003)-xxxx	
female		male	AR-12FZ-12M7-002(003)-xxxx	
male		male	AR-12MZ-12M7-002(003)-xxxx	
female		female	AR-12FZ-12F7-002(003)-xxxx	
male		female	AR-12MZ-12FZ-002(003)-xxxx	
male		male	AR-12MZ-12MZ-002(003)-xxxx	
female		female	AR-12FZ-12FZ-002(003)-xxxx	
male			AR-12MZ-0000-002(003)-xxxx	
female			AR-12FZ-0000-002(003)-xxxx	

Cordsets with Coniners Connectors M 23

19 position unshielded - PVC - gray - 20/18 AWG

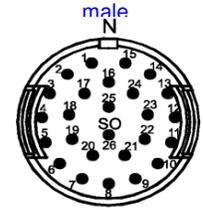
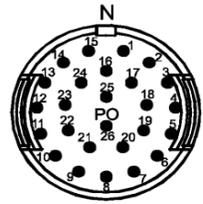
Wiring Diagram 1 : 1		Cordsets with Control Cable	
<p>male or female</p>	Pin 01	black wire with no. 1	(905) assembled with ConCab cable PVC gray 21 x 0.5 mm ² (20AWG) CC-110-0005-021 Cable dia. 12.3 mm Ø (0.49 inches)
	Pin 02	black wire with no. 2	
	Pin 03	black wire with no. 3	
	Pin 04	black wire with no. 4	
	Pin 05	black wire with no. 5	(907) assembled with ConCab cable PVC gray 21 x 0.75 mm ² (18AWG) CC-110-0007-021 Cable dia. 13.3 mm Ø (0.53 inches)
	Pin 06	black wire with no. 6	
	Pin 07	black wire with no. 7	
	Pin 08	black wire with no. 8	Cable construction: 21 wires 0.5 mm ² (20 AWG) or 0.75 mm ² (18AWG) 20 wires black with consec. white numbers (1-20) 1 ground wire green/yellow conductor no. 20 and green/yellow are not used
	Pin 09	black wire with no. 9	
	Pin 10	black wire with no. 10	
	Pin 11	black wire with no. 11	
continuing until			
Pin 19	black wire with no. 19	Part Number (xxxx = length of cable)	
male		female	AR-19M1-19F1-905(907)-xxxx
male		male	AR-19M1-19M1-905(907)-xxxx
female		female	AR-19F1-19F1-905(907)-xxxx
male			AR-19M1-0000-905(907)-xxxx
female			AR-19F1-0000-905(907)-xxxx
male		female	AR-19M1-19F7-905(907)-xxxx
female		male	AR-19F1-19M7-905(907)-xxxx
male		male	AR-19M1-19M7-905(907)-xxxx
female		female	AR-19F1-19F7-905(907)-xxxx
male			AR-19M7-0000-905(907)-xxxx
female			AR-19F7-0000-905(907)-xxxx
male		female	AR-19MZ-19F1-905(907)-xxxx
female		male	AR-19FZ-19M1-905(907)-xxxx
male		male	AR-19MZ-19M1-905(907)-xxxx
female		female	AR-19FZ-19F1-905(907)-xxxx
male		female	AR-19MZ-19F7-905(907)-xxxx
female		male	AR-19FZ-19M7-905(907)-xxxx
male		male	AR-19MZ-19M7-905(907)-xxxx
female		female	AR-19FZ-19F7-905(907)-xxxx
male		female	AR-19MZ-19FZ-905(907)-xxxx
male		male	AR-19MZ-19MZ-905(907)-xxxx
female		female	AR-19FZ-19FZ-905(907)-xxxx
male			AR-19MZ-0000-905(907)-xxxx
female			AR-19FZ-0000-905(907)-xxxx

The four xxxx at the end of the part number defines the length of your cable. You can choose to order the length in meters or in feet.
 F.e.
 005 F = 5 feet long
 005M = 5 meters long



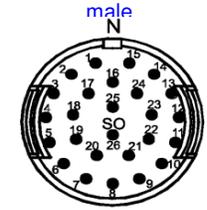
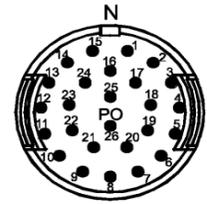
Cordsets with Coninvers Connectors M 27

Wiring Diagram 1 : 1			Cordsets with Control Cable	
Pin 01 white	Pin 15 white/yellow	assembled with PVC cable grey, very flexible LIYY 27 x 0.25 mm ² (24 AWG) P/N 210-0002-027 26 wires used wire colores acc. to DIN 47100		
Pin 02 brown	Pin 16 yellow/brown			
Pin 03 green	Pin 17 white/grey			
Pin 04 yellow	Pin 18 grey/brown			
Pin 05 grey	Pin 19 white/pink			
Pin 06 pink	Pin 20 pink/brown			
Pin 07 blue	Pin 21 white/blue			
Pin 08 red	Pin 22 brown/blue			
Pin 09 black	Pin 23 white/red			
Pin 10 purple	Pin 24 brown/red			
Pin 11 grey/pink	Pin 25 white/black			
Pin 12 red/blue	Pin 26 brown/black			
Pin 13 white/green	Pin 27 N/A			
Pin 14 brown/green	Pin 28 N/A			
			Part Number (xxxx = length of cable)	
male		female	The four xxxx at the end of the part number defines the length of your cable. You can choose to order the length in meters or in feet. F.e. 005 F = 5 feet long 005M = 5 meters long	
male		male		
female		female		
male				
female				
male		female		
female		male		
male		male		
female		female		
male				
female				
male		female		
female		male		
male		male		
female		female		
male		female		
female		male		
male		male		
female		female		
male		female		
male		male		
female		female		
male				
female				



Cordsets with Coninvers Connectors M 27

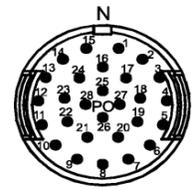
26 position shielded - PVC - grey - 24 AWG assembled			
Wiring Diagram 1 : 1		Cordsets with Control Cable	
Pin 01 white	Pin 15 white/yellow	assembled with PVC cable grey, very flexible LIYCY 27 x 0.25 mm ² (24 AWG) P/N 220-0002-027 26 wires used wire colores acc. to DIN 47100 Shield connected to the connector shell(s)	 
Pin 02 brown	Pin 16 yellow/brown		
Pin 03 green	Pin 17 white/grey		
Pin 04 yellow	Pin 18 grey/brown		
Pin 05 grey	Pin 19 white/pink		
Pin 06 pink	Pin 20 pink/brown		
Pin 07 blue	Pin 21 white/blue		
Pin 08 red	Pin 22 brown/blue		
Pin 09 black	Pin 23 white/red		
Pin 10 purple	Pin 24 brown/red		
Pin 11 grey/pink	Pin 25 white/black		
Pin 12 red/blue	Pin 26 brown/black		
Pin 13 white/green	Pin 27 N/A		
Pin 14 brown/green	Pin 28 N/A		
Part Number (xxxx = length of cable)			
male 	 female	HR-26M8-26F8-220-xxxx	The four xxxx at the end of the part number defines the length of your cable. You can choose to order the length in meters or in feet. F.e. 005 F = 5 feet long 005M = 5 meters long
male 	 male	HR-26M8-26M8-220-xxxx	
female 	 female	HR-26F8-26F8-220-xxxx	
male 		HR-26M8-0000-220-xxxx	
female 		HR-26F8-0000-220-xxxx	
male 	 female	HR-26M8-26F9-220-xxxx	
female 	 male	HR-26F8-26M9-220-xxxx	
male 	 male	HR-26M8-26M9-220-xxxx	
female 	 female	HR-26F8-26F9-220-xxxx	
male 		HR-26M9-0000-220-xxxx	
female 		HR-26F9-0000-220-xxxx	
male 	 female	HR-26MT-26F8-220-xxxx	
female 	 male	HR-26FT-26M8-220-xxxx	
male 	 male	HR-26MT-26M8-220-xxxx	
female 	 female	HR-26FT-26F8-220-xxxx	
male 	 female	HR-26MT-26F9-220-xxxx	
female 	 male	HR-26FT-26M9-220-xxxx	
male 	 male	HR-26MT-26M9-220-xxxx	
female 	 female	HR-26FT-26F9-220-xxxx	
male 	 female	HR-26MT-26FT-220-xxxx	
male 	 male	HR-26MT-26MT-220-xxxx	
female 	 female	HR-26FT-26FT-220-xxxx	
male 		HR-26MT-0000-220-xxxx	
female 		HR-26FT-0000-220-xxxx	



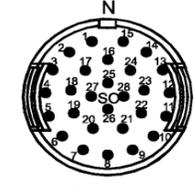
Cordsets with Coninvers Connectors M 27

28 position unshielded - PVC - grey - 24 AWG assembled

Wiring Diagram 1 : 1		Cordsets with Control Cable	
Pin 01 white	Pin 15 white/yellow	assembled with PVC cable grey, very flexible LIYY 30 x 0.25 mm ² (24 AWG) P/N 210-0002-030 28 wires used wire colores acc. to DIN 47100	
Pin 02 brown	Pin 16 yellow/brown		
Pin 03 green	Pin 17 white/grey		
Pin 04 yellow	Pin 18 grey/brown		
Pin 05 grey	Pin 19 white/pink		
Pin 06 pink	Pin 20 pink/brown		
Pin 07 blue	Pin 21 white/blue		
Pin 08 red	Pin 22 brown/blue		
Pin 09 black	Pin 23 white/red		
Pin 10 purple	Pin 24 brown/red		
Pin 11 grey/pink	Pin 25 white/black		
Pin 12 red/blue	Pin 26 brown/black		
Pin 13 white/green	Pin 27 grey/green		
Pin 14 brown/green	Pin 28 yellow/grey		
		Part Number (xxxx = length of cable)	
male 	female 	HR-28M8-28F8-210-xxxx	The four xxxx at the end of the part number defines the length of your cable. You can choose to order the length in meters or in feet. F.e. 005 F = 5 feet long 005M = 5 meters long
male 	male 	HR-28M8-28M8-210-xxxx	
female 	female 	HR-28F8-28F8-210-xxxx	
male 		HR-28M8-0000-210-xxxx	
female 		HR-28F8-0000-210-xxxx	
male 	female 	HR-28M8-28F9-210-xxxx	
female 	male 	HR-28F8-28M9-210-xxxx	
male 	male 	HR-28M8-28M9-210-xxxx	
female 	female 	HR-28F8-28F9-210-xxxx	
male 		HR-28M9-0000-210-xxxx	
female 		HR-28F9-0000-210-xxxx	
male 	female 	HR-28MT-28F8-210-xxxx	
female 	male 	HR-28FT-28M8-210-xxxx	
male 	male 	HR-28MT-28M8-210-xxxx	
female 	female 	HR-28FT-28F8-210-xxxx	
male 	female 	HR-28MT-28F9-210-xxxx	
female 	male 	HR-28FT-28M9-210-xxxx	
male 	male 	HR-28MT-28M9-210-xxxx	
female 	female 	HR-28FT-28F9-210-xxxx	
male 	female 	HR-28MT-28FT-210-xxxx	
male 	male 	HR-28MT-28MT-210-xxxx	
female 	female 	HR-28FT-28FT-210-xxxx	
male 		HR-28MT-0000-210-xxxx	
female 		HR-28FT-0000-210-xxxx	



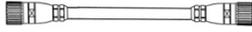
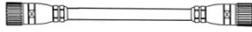
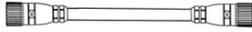
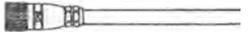
male



female

Cordsets with Coninvers Connectors M 27

28 position shielded - PVC - grey - 24 AWG assembled

Wiring Diagram 1 : 1		Cordsets with Control Cable	
Pin 01 white	Pin 15 white/yellow	assembled with PVC cable grey, very flexible LIYCY 30 x 0.25 mm ² (24 AWG) P/N 220-0002-030 28 wires used wire colores acc. to DIN 47100	
Pin 02 brown	Pin 16 yellow/brown		
Pin 03 green	Pin 17 white/grey		
Pin 04 yellow	Pin 18 grey/brown		
Pin 05 grey	Pin 19 white/pink		
Pin 06 pink	Pin 20 pink/brown		
Pin 07 blue	Pin 21 white/blue		
Pin 08 red	Pin 22 brown/blue		
Pin 09 black	Pin 23 white/red		
Pin 10 purple	Pin 24 brown/red		
Pin 11 grey/pink	Pin 25 white/black		
Pin 12 red/blue	Pin 26 brown/black		
Pin 13 white/green	Pin 27 grey/green		
Pin 14 brown/green	Pin 28 yellow/grey		
		Part Number (xxxx = length of cable)	
male	 female	HR-28M8-28F8-220-xxxx	The four xxxx at the end of the part number defines the length of your cable. You can choose to order the length in meters or in feet. F.e. 005 F = 5 feet long 005M = 5 meters long
male	 male	HR-28M8-28M8-220-xxxx	
female	 female	HR-28F8-28F8-220-xxxx	
male		HR-28M8-0000-220-xxxx	
female		HR-28F8-0000-220-xxxx	
male	 female	HR-28M8-28F9-220-xxxx	
female	 male	HR-28F8-28M9-220-xxxx	
male	 male	HR-28M8-28M9-220-xxxx	
female	 female	HR-28F8-28F9-220-xxxx	
male		HR-28M9-0000-220-xxxx	
female		HR-28F9-0000-220-xxxx	
male	 female	HR-28MT-28F8-220-xxxx	
female	 male	HR-28FT-28M8-220-xxxx	
male	 male	HR-28MT-28M8-220-xxxx	
female	 female	HR-28FT-28F8-220-xxxx	
male	 female	HR-28MT-28F9-220-xxxx	
female	 male	HR-28FT-28M9-220-xxxx	
male	 male	HR-28MT-28M9-220-xxxx	
female	 female	HR-28FT-28F9-220-xxxx	
male	 female	HR-28MT-28FT-220-xxxx	
male	 male	HR-28MT-28MT-220-xxxx	
female	 female	HR-28FT-28FT-220-xxxx	
male		HR-28MT-0000-220-xxxx	
female		HR-28FT-0000-220-xxxx	

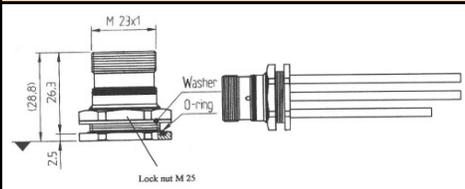
Pre wired receptacles Coninvers M 23

Front mount - round flange (style 6R00) - nut from the back

		<p>The four xxxx at the end of the part number defines the length of your cable. You can choose to order the length in meters or feet. f.e. 005F = would be 5 feet 005M = would be 5 meters 006IN = would be 6 inches</p>
Wiring / Conductors	Connector insert	Part Number (xxxx=length of wires)
12 conductors 1.0 mm ² (17AWG) 1-11 numbers + green/yellow	12 male 	AR-12M6R-0000-010-xxxx PR-12M6R-0000-010-xxxx (potted)
12 conductors 0.75 mm ² (18AWG) 1-12 numbers	12 male 	AR-12M6R-0000-011-xxxx PR-12M6R-0000-011-xxxx (potted)
12 conductors 0.75 mm ² (18AWG) colors acc. DIN 47100	12 male 	AR-12M6R-0000-01A-xxxx PR-12M6R-0000-01A-xxxx (potted)
12 conductors 1.0 mm ² (17AWG) 1-11 numbers + green/yellow	12 female 	AR-12F6R-0000-010-xxxx PR-12F6R-0000-010-xxxx (potted)
12 conductors 0.75 mm ² (18AWG) 1-12 numbers	12 female 	AR-12F6R-0000-011-xxxx PR-12F6R-0000-011-xxxx (potted)
12 conductors 0.75 mm ² (18AWG) colors acc. DIN 47100	12 female 	AR-12F6R-0000-01A-xxxx PR-12F6R-0000-01A-xxxx (potted)
19 conductors 0.5 mm ² (20AWG) 1-19 numbers	19 male 	AR-19M6R-0000-012-xxxx PR-19M6R-0000-012-xxxx (potted)
16 conductors 0.5 mm ² (20AWG) 3 conductors 1.0 mm ² (17AWG) (colors see J-08-01)	19 male 	AR-19M6R-0000-013-xxxx PR-19M6R-0000-013-xxxx (potted)
19 conductors 0.75 mm ² (18AWG) colors acc. DIN 47100	19 male 	AR-19M6R-0000-CA3-xxxx PR-19M6R-0000-CA3-xxxx (potted)
19 conductors 0.5 mm ² (20AWG) 1-19 numbers	19 female 	AR-19F6R-0000-012-xxxx PR-19F6R-0000-012-xxxx (potted)
16 conductors 0.5 mm ² (20AWG) 3 conductors 1.0 mm ² (17AWG) (colors see J-08-01)	19 female 	AR-19F6R-0000-013-xxxx PR-19F6R-0000-013-xxxx (potted)
19 conductors 0.75 mm ² (18AWG) colors acc. DIN 47100	19 female 	AR-19F6R-0000-CA3-xxxx PR-19F6R-0000-CA3-xxxx (potted)

Pre wired receptacles Coninvers M 23

Rear mount - round flange (style H000) - nut from the front



The four xxxx at the end of the part number defines the length of your cable. You can choose to order the length in meters or feet. f.e.
 005F = would be 5 feet
 005M = would be 5 meters
 006IN = would be 6 inches

Wiring / Conductors	Connector insert	Part Number (xxxx=length of wires)
12 conductors 1.0 mm ² (17AWG) 1-11 numbers + green/yellow	12 male	AR-12MH-0000-010-xxxx PR-12MH-0000-010-xxxx (potted)
12 conductors 0.75 mm ² (18AWG) 1-12 numbers	12 male	AR-12MH-0000-011-xxxx PR-12MH-0000-011-xxxx (potted)
12 conductors 0.75 mm ² (18AWG) colors acc. DIN 47100	12 male	AR-12MH-0000-01A-xxxx PR-12MH-0000-01A-xxxx (potted)
12 conductors 1.0 mm ² (17AWG) 1-11 numbers + green/yellow	12 female	AR-12FH-0000-010-xxxx PR-12FH-0000-010-xxxx (potted)
12 conductors 0.75 mm ² (18AWG) 1-12 numbers	12 female	AR-12FH-0000-011-xxxx PR-12FH-0000-011-xxxx (potted)
12 conductors 0.75 mm ² (18AWG) colors acc. DIN 47100	12 female	AR-12FH-0000-01A-xxxx PR-12FH-0000-01A-xxxx (potted)
19 conductors 0.5 mm ² (20AWG) 1-19 numbers	19 male	AR-19MH-0000-012-xxxx PR-19MH-0000-012-xxxx (potted)
16 conductors 0.5 mm ² (20AWG) 3 conductors 1.0 mm ² (17AWG) (colors see J-08-01)	19 male	AR-19MH-0000-013-xxxx PR-19MH-0000-013-xxxx (potted)
19 conductors 0.75 mm ² (18AWG) colors acc. DIN 47100	19 male	AR-19MH-0000-CA3-xxxx PR-19MH-0000-CA3-xxxx (potted)
19 conductors 0.5 mm ² (20AWG) 1-19 numbers	19 female	AR-19FH-0000-012-xxxx PR-19FH-0000-012-xxxx (potted)
16 conductors 0.5 mm ² (20AWG) 3 conductors 1.0 mm ² (17AWG) (colors see J-08-01)	19 female	AR-19FH-0000-013-xxxx PR-19FH-0000-013-xxxx (potted)
19 conductors 0.75 mm ² (18AWG) colors acc. DIN 47100	19 female	AR-19FH-0000-CA3-xxxx PR-19FH-0000-CA3-xxxx (potted)

Pre wired receptacles Coninvers M 23

Rear mount - square flange (style 4000 gasket 4 x M2.5)

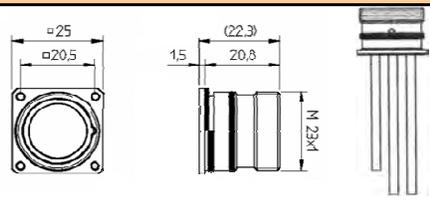
		<p>The four xxxx at the end of the part number defines the length of your cable. You can choose to order the length in meters or feet. f.e. 005F = would be 5 feet 005M = would be 5 meters 006IN = would be 6 inches</p>
Wiring / Conductors	Connector insert	Part Number (xxxx=length of wires)
12 conductors 1.0 mm ² (17AWG) 1-11 numbers + green/yellow	12 male 	AR-12M40-0000-010-xxxx PR-12M40-0000-010-xxxx (potted)
12 conductors 0.75 mm ² (18AWG) 1-12 numbers	12 male 	AR-12M40-0000-011-xxxx PR-12M40-0000-011-xxxx (potted)
12 conductors 0.75 mm ² (18AWG) colors acc. DIN 47100	12 male 	AR-12M40-0000-01A-xxxx PR-12M40-0000-01A-xxxx (potted)
12 conductors 1.0 mm ² (17AWG) 1-11 numbers + green/yellow	12 female 	AR-12F40-0000-010-xxxx PR-12F40-0000-010-xxxx (potted)
12 conductors 0.75 mm ² (18AWG) 1-12 numbers	12 female 	AR-12F40-0000-011-xxxx PR-12F40-0000-011-xxxx (potted)
12 conductors 0.75 mm ² (18AWG) colors acc. DIN 47100	12 female 	AR-12F40-0000-01A-xxxx PR-12F40-0000-01A-xxxx (potted)
19 conductors 0.5 mm ² (20AWG) 1-19 numbers	19 male 	AR-19M40-0000-012-xxxx PR-19M40-0000-012-xxxx (potted)
16 conductors 0.5 mm ² (20AWG) 3 conductors 1.0 mm ² (17AWG) (colors see J-08-01)	19 male 	AR-19M40-0000-013-xxxx PR-19M40-0000-013-xxxx (potted)
19 conductors 0.75 mm ² (18AWG) colors acc. DIN 47100	19 male 	AR-19M40-0000-CA3-xxxx PR-19M40-0000-CA3-xxxx (potted)
19 conductors 0.5 mm ² (20AWG) 1-19 numbers	19 female 	AR-19F40-0000-012-xxxx PR-19F40-0000-012-xxxx (potted)
16 conductors 0.5 mm ² (20AWG) 3 conductors 1.0 mm ² (17AWG) (colors see J-08-01)	19 female 	AR-19F40-0000-013-xxxx PR-19F40-0000-013-xxxx (potted)
19 conductors 0.75 mm ² (18AWG) colors acc. DIN 47100	19 female 	AR-19F40-0000-CA3-xxxx PR-19F40-0000-CA3-xxxx (potted)

Pre wired receptacles Coninvers M 23

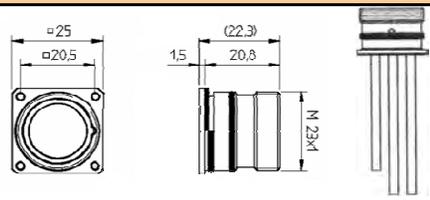
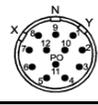
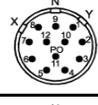
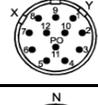
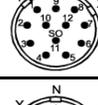
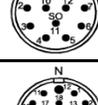
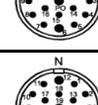
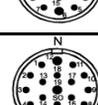
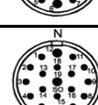
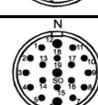
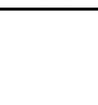
Rear mount - square flange (style 4100 gasket 4 x M3)

		<p>The four xxxx at the end of the part number defines the length of your cable. You can choose to order the length in meters or feet. f.e. 005F = would be 5 feet 005M = would be 5 meters 006IN = would be 6 inches</p>
Wiring / Conductors	Connector insert	Part Number (xxxx=length of wires)
12 conductors 1.0 mm ² (17AWG) 1-11 numbers + green/yellow	12 male 	AR-12M41-0000-010-xxxx PR-12M41-0000-010-xxxx (potted)
12 conductors 0.75 mm ² (18AWG) 1-12 numbers	12 male 	AR-12M41-0000-011-xxxx PR-12M41-0000-011-xxxx (potted)
12 conductors 0.75 mm ² (18AWG) colors acc. DIN 47100	12 male 	AR-12M41-0000-01A-xxxx PR-12M41-0000-01A-xxxx (potted)
12 conductors 1.0 mm ² (17AWG) 1-11 numbers + green/yellow	12 female 	AR-12F41-0000-010-xxxx PR-12F41-0000-010-xxxx (potted)
12 conductors 0.75 mm ² (18AWG) 1-12 numbers	12 female 	AR-12F41-0000-011-xxxx PR-12F41-0000-011-xxxx (potted)
12 conductors 0.75 mm ² (18AWG) colors acc. DIN 47100	12 female 	AR-12F41-0000-01A-xxxx PR-12F41-0000-01A-xxxx (potted)
19 conductors 0.5 mm ² (20AWG) 1-19 numbers	19 male 	AR-19M41-0000-012-xxxx PR-19M41-0000-012-xxxx (potted)
16 conductors 0.5 mm ² (20AWG) 3 conductors 1.0 mm ² (17AWG) (colors see J-08-01)	19 male 	AR-19M41-0000-013-xxxx PR-19M41-0000-013-xxxx (potted)
19 conductors 0.75 mm ² (18AWG) colors acc. DIN 47100	19 male 	AR-19M41-0000-CA3-xxxx PR-19M41-0000-CA3-xxxx (potted)
19 conductors 0.5 mm ² (20AWG) 1-19 numbers	19 female 	AR-19F41-0000-012-xxxx PR-19F41-0000-012-xxxx (potted)
16 conductors 0.5 mm ² (20AWG) 3 conductors 1.0 mm ² (17AWG) (colors see J-08-01)	19 female 	AR-19F41-0000-013-xxxx PR-19F41-0000-013-xxxx (potted)
19 conductors 0.75 mm ² (18AWG) colors acc. DIN 47100	19 female 	AR-19F41-0000-CA3-xxxx PR-19F41-0000-CA3-xxxx (potted)

Pre wired receptacles Coninvers M 23

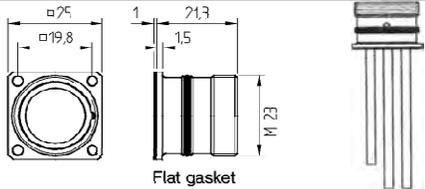
Rear mount - square flange (style 4200 O-ring radial 4 x M2.5)		
		<p>The four xxxx at the end of the part number defines the length of your cable. You can choose to order the length in meters or feet. f.e.</p> <p>005F = would be 5 feet 005M = would be 5 meters 006IN = would be 6 inches</p>
Wiring / Conductors	Connector insert	Part Number (xxxx=length of wires)
12 conductors 1.0 mm ² (17AWG) 1-11 numbers + green/yellow	12 male 	AR-12M42-0000-010-xxxx PR-12M42-0000-010-xxxx (potted)
12 conductors 0.75 mm ² (18AWG) 1-12 numbers	12 male 	AR-12M42-0000-011-xxxx PR-12M42-0000-011-xxxx (potted)
12 conductors 0.75 mm ² (18AWG) colors acc. DIN 47100	12 male 	AR-12M42-0000-01A-xxxx PR-12M42-0000-01A-xxxx (potted)
12 conductors 1.0 mm ² (17AWG) 1-11 numbers + green/yellow	12 female 	AR-12F42-0000-010-xxxx PR-12F42-0000-010-xxxx (potted)
12 conductors 0.75 mm ² (18AWG) 1-12 numbers	12 female 	AR-12F42-0000-011-xxxx PR-12F42-0000-011-xxxx (potted)
12 conductors 0.75 mm ² (18AWG) colors acc. DIN 47100	12 female 	AR-12F42-0000-01A-xxxx PR-12F42-0000-01A-xxxx (potted)
19 conductors 0.5 mm ² (20AWG) 1-19 numbers	19 male 	AR-19M42-0000-012-xxxx PR-19M42-0000-012-xxxx (potted)
16 conductors 0.5 mm ² (20AWG) 3 conductors 1.0 mm ² (17AWG) (colors see J-08-01)	19 male 	AR-19M42-0000-013-xxxx PR-19M42-0000-013-xxxx (potted)
19 conductors 0.75 mm ² (18AWG) colors acc. DIN 47100	19 male 	AR-19M42-0000-CA3-xxxx PR-19M42-0000-CA3-xxxx (potted)
19 conductors 0.5 mm ² (20AWG) 1-19 numbers	19 female 	AR-19F42-0000-012-xxxx PR-19F42-0000-012-xxxx (potted)
16 conductors 0.5 mm ² (20AWG) 3 conductors 1.0 mm ² (17AWG) (colors see J-08-01)	19 female 	AR-19F42-0000-013-xxxx PR-19F42-0000-013-xxxx (potted)
19 conductors 0.75 mm ² (18AWG) colors acc. DIN 47100	19 female 	AR-19F42-0000-CA3-xxxx PR-19F42-0000-CA3-xxxx (potted)

Pre wired receptacles Coninvers M 23

Rear mount - square flange (style 4300 O-ring radial 4 x M3)		
		<p>The four xxxx at the end of the part number defines the length of your cable. You can choose to order the length in meters or feet. f.e.</p> <p>005F = would be 5 feet 005M = would be 5 meters 006IN = would be 6 inches</p>
Wiring / Conductors	Connector insert	Part Number (xxxx=length of wires)
12 conductors 1.0 mm ² (17AWG) 1-11 numbers + green/yellow	12 male 	AR-12M43-0000-010-xxxx PR-12M43-0000-010-xxxx (potted)
12 conductors 0.75 mm ² (18AWG) 1-12 numbers	12 male 	AR-12M43-0000-011-xxxx PR-12M43-0000-011-xxxx (potted)
12 conductors 0.75 mm ² (18AWG) colors acc. DIN 47100	12 male 	AR-12M43-0000-01A-xxxx PR-12M43-0000-01A-xxxx (potted)
12 conductors 1.0 mm ² (17AWG) 1-11 numbers + green/yellow	12 female 	AR-12F43-0000-010-xxxx PR-12F43-0000-010-xxxx (potted)
12 conductors 0.75 mm ² (18AWG) 1-12 numbers	12 female 	AR-12F43-0000-011-xxxx PR-12F43-0000-011-xxxx (potted)
12 conductors 0.75 mm ² (18AWG) colors acc. DIN 47100	12 female 	AR-12F43-0000-01A-xxxx PR-12F43-0000-01A-xxxx (potted)
19 conductors 0.5 mm ² (20AWG) 1-19 numbers	19 male 	AR-19M43-0000-012-xxxx PR-19M43-0000-012-xxxx (potted)
16 conductors 0.5 mm ² (20AWG) 3 conductors 1.0 mm ² (17AWG) (colors see J-08-01)	19 male 	AR-19M43-0000-013-xxxx PR-19M43-0000-013-xxxx (potted)
19 conductors 0.75 mm ² (18AWG) colors acc. DIN 47100	19 male 	AR-19M43-0000-CA3-xxxx PR-19M43-0000-CA3-xxxx (potted)
19 conductors 0.5 mm ² (20AWG) 1-19 numbers	19 female 	AR-19F43-0000-012-xxxx PR-19F43-0000-012-xxxx (potted)
16 conductors 0.5 mm ² (20AWG) 3 conductors 1.0 mm ² (17AWG) (colors see J-08-01)	19 female 	AR-19F43-0000-013-xxxx PR-19F43-0000-013-xxxx (potted)
19 conductors 0.75 mm ² (18AWG) colors acc. DIN 47100	19 female 	AR-19F43-0000-CA3-xxxx PR-19F43-0000-CA3-xxxx (potted)

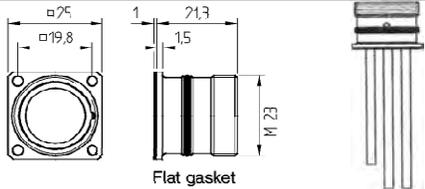
Pre wired receptacles Coninvers M 23

Front mount - square flange (style 2200 gasket 4 x 2.7 mm Ø)

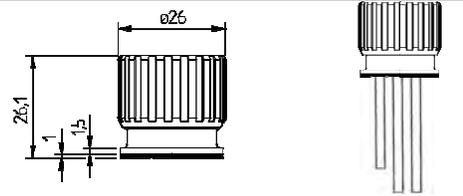
		<p>The four xxxx at the end of the part number defines the length of your cable. You can choose to order the length in meters or feet. f.e. 005F = would be 5 feet 005M = would be 5 meters 006IN = would be 6 inches</p>
Wiring / Conductors	Connector insert	Part Number (xxxx=length of wires)
12 conductors 1.0 mm ² (17AWG) 1-11 numbers + green/yellow	12 male 	AR-12M22-0000-010-xxxx PR-12M22-0000-010-xxxx (potted)
12 conductors 0.75 mm ² (18AWG) 1-12 numbers	12 male 	AR-12M22-0000-011-xxxx PR-12M22-0000-011-xxxx (potted)
12 conductors 0.75 mm ² (18AWG) colors acc. DIN 47100	12 male 	AR-12M22-0000-01A-xxxx PR-12M22-0000-01A-xxxx (potted)
12 conductors 1.0 mm ² (17AWG) 1-11 numbers + green/yellow	12 female 	AR-12F22-0000-010-xxxx PR-12F22-0000-010-xxxx (potted)
12 conductors 0.75 mm ² (18AWG) 1-12 numbers	12 female 	AR-12F22-0000-011-xxxx PR-12F22-0000-011-xxxx (potted)
12 conductors 0.75 mm ² (18AWG) colors acc. DIN 47100	12 female 	AR-12F22-0000-01A-xxxx PR-12F22-0000-01A-xxxx (potted)
19 conductors 0.5 mm ² (20AWG) 1-19 numbers	19 male 	AR-19M22-0000-012-xxxx PR-19M22-0000-012-xxxx (potted)
16 conductors 0.5 mm ² (20AWG) 3 conductors 1.0 mm ² (17AWG) (colors see J-08-01)	19 male 	AR-19M22-0000-013-xxxx PR-19M22-0000-013-xxxx (potted)
19 conductors 0.75 mm ² (18AWG) colors acc. DIN 47100	19 male 	AR-19M22-0000-CA3-xxxx PR-19M22-0000-CA3-xxxx (potted)
19 conductors 0.5 mm ² (20AWG) 1-19 numbers	19 female 	AR-19F22-0000-012-xxxx PR-19F22-0000-012-xxxx (potted)
16 conductors 0.5 mm ² (20AWG) 3 conductors 1.0 mm ² (17AWG) (colors see J-08-01)	19 female 	AR-19F22-0000-013-xxxx PR-19F22-0000-013-xxxx (potted)
19 conductors 0.75 mm ² (18AWG) colors acc. DIN 47100	19 female 	AR-19F22-0000-CA3-xxxx PR-19F22-0000-CA3-xxxx (potted)

Pre wired receptacles Coninvers M 23

Front mount - square flange (style 2300 gasket 4 x 3.2 mm Ø)

 <p>Flat gasket</p>		<p>The four xxxx at the end of the part number defines the length of your cable. You can choose to order the length in meters or feet. f.e. 005F = would be 5 feet 005M = would be 5 meters 006IN = would be 6 inches</p>
Wiring / Conductors	Connector insert	Part Number (xxxx=length of wires)
12 conductors 1.0 mm ² (17AWG) 1-11 numbers + green/yellow	12 male 	AR-12M23-0000-010-xxxx PR-12M23-0000-010-xxxx (potted)
12 conductors 0.75 mm ² (18AWG) 1-12 numbers	12 male 	AR-12M23-0000-011-xxxx PR-12M23-0000-011-xxxx (potted)
12 conductors 0.75 mm ² (18AWG) colors acc. DIN 47100	12 male 	AR-12M23-0000-01A-xxxx PR-12M23-0000-01A-xxxx (potted)
12 conductors 1.0 mm ² (17AWG) 1-11 numbers + green/yellow	12 female 	AR-12F23-0000-010-xxxx PR-12F23-0000-010-xxxx (potted)
12 conductors 0.75 mm ² (18AWG) 1-12 numbers	12 female 	AR-12F23-0000-011-xxxx PR-12F23-0000-011-xxxx (potted)
12 conductors 0.75 mm ² (18AWG) colors acc. DIN 47100	12 female 	AR-12F23-0000-01A-xxxx PR-12F23-0000-01A-xxxx (potted)
19 conductors 0.5 mm ² (20AWG) 1-19 numbers	19 male 	AR-19M23-0000-012-xxxx PR-19M23-0000-012-xxxx (potted)
16 conductors 0.5 mm ² (20AWG) 3 conductors 1.0 mm ² (17AWG) (colors see J-08-01)	19 male 	AR-19M23-0000-013-xxxx PR-19M23-0000-013-xxxx (potted)
19 conductors 0.75 mm ² (18AWG) colors acc. DIN 47100	19 male 	AR-19M23-0000-CA3-xxxx PR-19M23-0000-CA3-xxxx (potted)
19 conductors 0.5 mm ² (20AWG) 1-19 numbers	19 female 	AR-19F23-0000-012-xxxx PR-19F23-0000-012-xxxx (potted)
16 conductors 0.5 mm ² (20AWG) 3 conductors 1.0 mm ² (17AWG) (colors see J-08-01)	19 female 	AR-19F23-0000-013-xxxx PR-19F23-0000-013-xxxx (potted)
19 conductors 0.75 mm ² (18AWG) colors acc. DIN 47100	19 female 	AR-19F23-0000-CA3-xxxx PR-19F23-0000-CA3-xxxx (potted)

Pre wired receptacles Coninvers M 23

Front mount - square flange (style Y200 gasket 4 x 2.7 mm Ø)		
		<p>The four xxxx at the end of the part number defines the length of your cable. You can choose to order the length in meters or feet. f.e. 005F = would be 5 feet 005M = would be 5 meters 006IN = would be 6 inches</p>
Wiring / Conductors	Connector insert	Part Number (xxxx=length of wires)
12 conductors 1.0 mm ² (17AWG) 1-11 numbers + green/yellow	12 male 	AR-12MY2-0000-010-xxxx PR-12MY2-0000-010-xxxx (potted)
12 conductors 0.75 mm ² (18AWG) 1-12 numbers	12 male 	AR-12MY2-0000-011-xxxx PR-12MY2-0000-011-xxxx (potted)
12 conductors 0.75 mm ² (18AWG) colors acc. DIN 47100	12 male 	AR-12MY2-0000-01A-xxxx PR-12MY2-0000-01A-xxxx (potted)
12 conductors 1.0 mm ² (17AWG) 1-11 numbers + green/yellow	12 female 	AR-12FY2-0000-010-xxxx PR-12FY2-0000-010-xxxx (potted)
12 conductors 0.75 mm ² (18AWG) 1-12 numbers	12 female 	AR-12FY2-0000-011-xxxx PR-12FY2-0000-011-xxxx (potted)
12 conductors 0.75 mm ² (18AWG) colors acc. DIN 47100	12 female 	AR-12FY2-0000-01A-xxxx PR-12FY2-0000-01A-xxxx (potted)
19 conductors 0.5 mm ² (20AWG) 1-19 numbers	19 male 	AR-19MY2-0000-012-xxxx PR-19MY2-0000-012-xxxx (potted)
16 conductors 0.5 mm ² (20AWG) 3 conductors 1.0 mm ² (17AWG) (colors see J-08-01)	19 male 	AR-19MY2-0000-013-xxxx PR-19MY2-0000-013-xxxx (potted)
19 conductors 0.75 mm ² (18AWG) colors acc. DIN 47100	19 male 	AR-19MY2-0000-CA3-xxxx PR-19MY2-0000-CA3-xxxx (potted)
19 conductors 0.5 mm ² (20AWG) 1-19 numbers	19 female 	AR-19FY2-0000-012-xxxx PR-19FY2-0000-012-xxxx (potted)
16 conductors 0.5 mm ² (20AWG) 3 conductors 1.0 mm ² (17AWG) (colors see J-08-01)	19 female 	AR-19FY2-0000-013-xxxx PR-19FY2-0000-013-xxxx (potted)
19 conductors 0.75 mm ² (18AWG) colors acc. DIN 47100	19 female 	AR-19FY2-0000-CA3-xxxx PR-19FY2-0000-CA3-xxxx (potted)

Pre wired receptacles Coninvers M 23

Front mount - square flange (style Y300 gasket 4 x 3.2 mm Ø)		
<p>The four xxxx at the end of the part number defines the length of your cable. You can choose to order the length in meters or feet. f.e. 005F = would be 5 feet 005M = would be 5 meters 006IN = would be 6 inches</p>		
Wiring / Conductors	Connector insert	Part Number (xxxx=length of wires)
12 conductors 1.0 mm ² (17AWG) 1-11 numbers + green/yellow	12 male 	AR-12MY3-0000-010-xxxx PR-12MY3-0000-010-xxxx (potted)
12 conductors 0.75 mm ² (18AWG) 1-12 numbers	12 male 	AR-12MY3-0000-011-xxxx PR-12MY3-0000-011-xxxx (potted)
12 conductors 0.75 mm ² (18AWG) colors acc. DIN 47100	12 male 	AR-12MY3-0000-01A-xxxx PR-12MY3-0000-01A-xxxx (potted)
12 conductors 1.0 mm ² (17AWG) 1-11 numbers + green/yellow	12 female 	AR-12FY3-0000-010-xxxx PR-12FY3-0000-010-xxxx (potted)
12 conductors 0.75 mm ² (18AWG) 1-12 numbers	12 female 	AR-12FY3-0000-011-xxxx PR-12FY3-0000-011-xxxx (potted)
12 conductors 0.75 mm ² (18AWG) colors acc. DIN 47100	12 female 	AR-12FY3-0000-01A-xxxx PR-12FY3-0000-01A-xxxx (potted)
19 conductors 0.5 mm ² (20AWG) 1-19 numbers	19 male 	AR-19MY3-0000-012-xxxx PR-19MY3-0000-012-xxxx (potted)
16 conductors 0.5 mm ² (20AWG) 3 conductors 1.0 mm ² (17AWG) (colors see J-08-01)	19 male 	AR-19MY3-0000-013-xxxx PR-19MY3-0000-013-xxxx (potted)
19 conductors 0.75 mm ² (18AWG) colors acc. DIN 47100	19 male 	AR-19MY3-0000-CA3-xxxx PR-19MY3-0000-CA3-xxxx (potted)
19 conductors 0.5 mm ² (20AWG) 1-19 numbers	19 female 	AR-19FY3-0000-012-xxxx PR-19FY3-0000-012-xxxx (potted)
16 conductors 0.5 mm ² (20AWG) 3 conductors 1.0 mm ² (17AWG) (colors see J-08-01)	19 female 	AR-19FY3-0000-013-xxxx PR-19FY3-0000-013-xxxx (potted)
19 conductors 0.75 mm ² (18AWG) colors acc. DIN 47100	19 female 	AR-19FY3-0000-CA3-xxxx PR-19FY3-0000-CA3-xxxx (potted)

Pre wired receptacles Coninvers M 23

Front mount - square flange (style YR00 O-ring radial 4 x 3.2 mm Ø)		
	<p>8 x 45° turnable</p>	<p>The four xxxx at the end of the part number defines the length of your cable. You can choose to order the length in meters or feet. f.e. 005F = would be 5 feet 005M = would be 5 meters 006IN = would be 6 inches</p>
Wiring / Conductors	Connector insert	Part Number (xxxx=length of wires)
12 conductors 1.0 mm ² (17AWG) 1-11 numbers + green/yellow	12 male	AR-12MYR-0000-010-xxxx PR-12MYR-0000-010-xxxx (potted)
12 conductors 0.75 mm ² (18AWG) 1-12 numbers	12 male	AR-12MYR-0000-011-xxxx PR-12MYR-0000-011-xxxx (potted)
12 conductors 0.75 mm ² (18AWG) colors acc. DIN 47100	12 male	AR-12MYR-0000-01A-xxxx PR-12MYR-0000-01A-xxxx (potted)
12 conductors 1.0 mm ² (17AWG) 1-11 numbers + green/yellow	12 female	AR-12FYR-0000-010-xxxx PR-12FYR-0000-010-xxxx (potted)
12 conductors 0.75 mm ² (18AWG) 1-12 numbers	12 female	AR-12FYR-0000-011-xxxx PR-12FYR-0000-011-xxxx (potted)
12 conductors 0.75 mm ² (18AWG) colors acc. DIN 47100	12 female	AR-12FYR-0000-01A-xxxx PR-12FYR-0000-01A-xxxx (potted)
19 conductors 0.5 mm ² (20AWG) 1-19 numbers	19 male	AR-19MYR-0000-012-xxxx PR-19MYR-0000-012-xxxx (potted)
16 conductors 0.5 mm ² (20AWG) 3 conductors 1.0 mm ² (17AWG) (colors see J-08-01)	19 male	AR-19MYR-0000-013-xxxx PR-19MYR-0000-013-xxxx (potted)
19 conductors 0.75 mm ² (18AWG) colors acc. DIN 47100	19 male	AR-19MYR-0000-CA3-xxxx PR-19MYR-0000-CA3-xxxx (potted)
19 conductors 0.5 mm ² (20AWG) 1-19 numbers	19 female	AR-19FYR-0000-012-xxxx PR-19FYR-0000-012-xxxx (potted)
16 conductors 0.5 mm ² (20AWG) 3 conductors 1.0 mm ² (17AWG) (colors see J-08-01)	19 female	AR-19FYR-0000-013-xxxx PR-19FYR-0000-013-xxxx (potted)
19 conductors 0.75 mm ² (18AWG) colors acc. DIN 47100	19 female	AR-19FYR-0000-CA3-xxxx PR-19FYR-0000-CA3-xxxx (potted)



Pre wired receptacles Coninvers M 27

Front mount - round flange (style 6LNU) - nut from the back

		<p>The four xxxx at the end of the part number defines the length of your cable. You can choose to order the length in meters or feet. f.e. 005F = would be 5 feet 005M = would be 5 meters 006IN = would be 6 inches</p>
--	--	--

Wiring / Conductors	Connector insert	Part Number (xxxx=length of wires)
26 conductors 0.25 mm ² (24AWG) colors acc. DIN 47100	26 male 	HR-26M6L-0000-210-xxxx HPR-26M6L-0000-210-xxxx (potted)
28 conductors 0.25 mm ² (24AWG) colors acc. DIN 47100	28 male 	HR-28M6L-0000-210-xxxx HPR-28M6L-0000-210-xxxx (potted)
26 conductors 0.25 mm ² (24AWG) colors acc. DIN 47100	26 female 	HR-26F6L-0000-210-xxxx HPR-26F6L-0000-210-xxxx (potted)
28 conductors 0.25 mm ² (24AWG) colors acc. DIN 47100	28 female 	HR-28F6L-0000-210-xxxx HPR-28F6L-0000-210-xxxx (potted)



Pre wired receptacles Coninvers M 27

Rear mount - square flange (style 4300 O-ring radial 4 x M3)

		<p>The four xxxx at the end of the part number defines the length of your cable. You can choose to order the length in meters or feet. f.e. 005F = would be 5 feet 005M = would be 5 meters 006IN = would be 6 inches</p>
--	--	--

Wiring / Conductors	Connector insert	Part Number (xxxx=length of wires)
26 conductors 0.25 mm ² (24AWG) colors acc. DIN 47100	26 male 	HR-26M43-0000-210-xxxx HPR-26M43-0000-210-xxxx (potted)
28 conductors 0.25 mm ² (24AWG) colors acc. DIN 47100	28 male 	HR-28M43-0000-210-xxxx HPR-28M43-0000-210-xxxx (potted)
26 conductors 0.25 mm ² (24AWG) colors acc. DIN 47100	26 female 	HR-26F43-0000-210-xxxx HPR-26F43-0000-210-xxxx (potted)
28 conductors 0.25 mm ² (24AWG) colors acc. DIN 47100	28 female 	HR-28F43-0000-210-xxxx HPR-28F43-0000-210-xxxx (potted)



Pre wired receptacles Coninvers M 27

Rear mount - round flange (style H000) - nut from the front

		<p>The four xxxx at the end of the part number defines the length of your cable. You can choose to order the length in meters or feet. f.e. 005F = would be 5 feet 005M = would be 5 meters 006IN = would be 6 inches</p>
--	--	--

Wiring / Conductors	Connector insert	Part Number (xxxx=length of wires)
26 conductors 0.25 mm ² (24AWG) colors acc. DIN 47100	26 male 	HR-26MH0-0000-210-xxxx HPR-26MH0-0000-210-xxxx (potted)
28 conductors 0.25 mm ² (24AWG) colors acc. DIN 47100	28 male 	HR-28MH0-0000-210-xxxx HPR-28MH0-0000-210-xxxx (potted)
26 conductors 0.25 mm ² (24AWG) colors acc. DIN 47100	26 female 	HR-26FH0-0000-210-xxxx HPR-26FH0-0000-210-xxxx (potted)
28 conductors 0.25 mm ² (24AWG) colors acc. DIN 47100	28 female 	HR-28FH0-0000-210-xxxx HPR-28FH0-0000-210-xxxx (potted)



Pre wired receptacles Coninvers M 27

Rear mount - square flange (style 4100 gasket 4 x M3)

		<p>The four xxxx at the end of the part number defines the length of your cable. You can choose to order the length in meters or feet. f.e. 005F = would be 5 feet 005M = would be 5 meters 006IN = would be 6 inches</p>
--	--	--

Wiring / Conductors	Connector insert	Part Number (xxxx=length of wires)
26 conductors 0.25 mm ² (24AWG) colors acc. DIN 47100	26 male 	HR-26M41-0000-210-xxxx HPR-26M41-0000-210-xxxx (potted)
28 conductors 0.25 mm ² (24AWG) colors acc. DIN 47100	28 male 	HR-28M41-0000-210-xxxx HPR-28M41-0000-210-xxxx (potted)
26 conductors 0.25 mm ² (24AWG) colors acc. DIN 47100	26 female 	HR-26F41-0000-210-xxxx HPR-26F41-0000-210-xxxx (potted)
28 conductors 0.25 mm ² (24AWG) colors acc. DIN 47100	28 female 	HR-28F41-0000-210-xxxx HPR-28F41-0000-210-xxxx (potted)



Pre wired receptacles Coninvers M 27

Front mount - square flange (style 2300 gasket 4 x 3.2 mm Ø)

		<p>The four xxxx at the end of the part number defines the length of your cable. You can choose to order the length in meters or feet. f.e. 005F = would be 5 feet 005M = would be 5 meters 006IN = would be 6 inches</p>
--	--	--

Wiring / Conductors	Connector insert	Part Number (xxxx=length of wires)
26 conductors 0.25 mm ² (24AWG) colors acc. DIN 47100	26 male 	HR-26M23-0000-210-xxxx HPR-26M23-0000-210-xxxx (potted)
28 conductors 0.25 mm ² (24AWG) colors acc. DIN 47100	28 male 	HR-28M23-0000-210-xxxx HPR-28M23-0000-210-xxxx (potted)
26 conductors 0.25 mm ² (24AWG) colors acc. DIN 47100	26 female 	HR-26F23-0000-210-xxxx HPR-26F23-0000-210-xxxx (potted)
28 conductors 0.25 mm ² (24AWG) colors acc. DIN 47100	28 female 	HR-28F23-0000-210-xxxx HPR-28F23-0000-210-xxxx (potted)



Pre wired receptacles Coninvers M 27

Front mount - square flange (style WA00 O-ring axial 4 x 3.2 mm Ø)

		<p>The four xxxx at the end of the part number defines the length of your cable. You can choose to order the length in meters or feet. f.e. 005F = would be 5 feet 005M = would be 5 meters 006IN = would be 6 inches</p>
--	--	--

Wiring / Conductors	Connector insert	Part Number (xxxx=length of wires)
26 conductors 0.25 mm ² (24AWG) colors acc. DIN 47100	26 male 	HR-26MWA-0000-210-xxxx HPR-26MWA-0000-210-xxxx (potted)
28 conductors 0.25 mm ² (24AWG) colors acc. DIN 47100	28 male 	HR-28MWA-0000-210-xxxx HPR-28MWA-0000-210-xxxx (potted)
26 conductors 0.25 mm ² (24AWG) colors acc. DIN 47100	26 female 	HR-26FWA-0000-210-xxxx HPR-26FWA-0000-210-xxxx (potted)
28 conductors 0.25 mm ² (24AWG) colors acc. DIN 47100	28 female 	HR-28FWA-0000-210-xxxx HPR-28FWA-0000-210-xxxx (potted)



Pre wired receptacles Coninvers M 27

Front mount - square flange (style WB00 O-ring radial 4 x 3.2 mm Ø)

		<p>The four xxxx at the end of the part number defines the length of your cable. You can choose to order the length in meters or feet. f.e. 005F = would be 5 feet 005M = would be 5 meters 006IN = would be 6 inches</p>
--	--	--

Wiring / Conductors	Connector insert	Part Number (xxxx=length of wires)
26 conductors 0.25 mm ² (24AWG) colors acc. DIN 47100	26 male 	HR-26MWB-0000-210-xxxx HPR-26MWB-0000-210-xxxx (potted)
28 conductors 0.25 mm ² (24AWG) colors acc. DIN 47100	28 male 	HR-28MWB-0000-210-xxxx HPR-28MWB-0000-210-xxxx (potted)
26 conductors 0.25 mm ² (24AWG) colors acc. DIN 47100	26 female 	HR-26FWB-0000-210-xxxx HPR-26FWB-0000-210-xxxx (potted)
28 conductors 0.25 mm ² (24AWG) colors acc. DIN 47100	28 female 	HR-28FWB-0000-210-xxxx HPR-28FWB-0000-210-xxxx (potted)



Table of Contents	
Description	Page
Area Measurements	J-B-01
AWG/Metric Comparison	J-B-08
Celsius/Fahrenheit Degrees	J-B-06
Electrical Measurements	J-B-01
Energy Measurements	J-B-02
Fahrenheit/Celsius Degrees	J-B-06
Fluid (Volume) Measurements	J-B-02
Force Measurements	J-B-03
Length Measurements	J-B-03
Metric/AWG Comparison	J-B-08
Metric System	J-B-07
Power Measurements	J-B-04
Pressure Measurements	J-B-04
Speed Measurements	J-B-04
Temperature	J-B-06
Velocity Measurements	J-B-05
Volume Measurements	J-B-05
Weight Measurements	J-B-05
<p>We reserve the right to change specifications or technical requirements without prior notice. All statements made in this catalog binder are subject to omissions or errors.</p>	

Formulas - Data - Comparison

Area - Electrical



AREA				
Square inches	x 645	equal	Square millimeters	mm ²
Square inches	x 6.452	equal	Square centimeters	cm ²
Square foot	x 0.0929	equal	Square meters	m ²
Square yards	x 0.836	equal	Square meters	m ²
Acres	x 43,560	equal	Square foot	sq.ft.
Acres	x 4047	equal	Square meters	m ²
Acres	x 0.4047	equal	hectares	ha
Square miles	x 2.590	equal	Square kilometers	km ²
Square millimeters	x 0.00155	equal	Square inches	sq.in.
Square centimeters	x 0.1550	equal	Square inches	sq.in.
Square meters	x 10.76	equal	Square foot	sq.ft.
Square meters	x 1.196	equal	Square yards	sq.yd.
Hectares	x 2.471	equal	Acres	a
Square kilometers	x 0.3861	equal	Square miles	sq.mi.
	1 square foot	equal	144 square inches	
	1 square yard	equal	9 square feet	
	1 acre	equal	4,840 square yards	
	1 square mile	equal	640 acres	
	1 square meter	equal	10,000 square centimeters	
	1 hectar	equal	10,000 square meters	
	1 square kilometer	equal	1,000,000 square meters	

ELECTRICAL		
1 mF per mile	equal	0.62 mF/km
1 uF per mile	equal	0.62 uF/km
1 megohm per mile	equal	1.61 megohm per km
1 decibel per mile	equal	71.5 mN per km
1 ohm per 1000 ft.	equal	3.28 ohm per km
1 ohm per 1000 yd.	equal	1.0936 ohm per km

Formulas - Data - Comparison

Energy - Work - Fluid volume



ENERGY - WORK																						
Foot pounds	x 1.356	equal	Joule	J																		
Joule	x 0.7376	equal	Foot pounds	ft.lb.																		
<table border="1"> <tbody> <tr> <td>1 foot-pound</td> <td>equal</td> <td>1.356 J</td> </tr> <tr> <td>1 foot-pound</td> <td>equal</td> <td>1.488 kg/m</td> </tr> <tr> <td>1 kilokalorie</td> <td>equal</td> <td>4.185 kJ</td> </tr> <tr> <td>1 Btu</td> <td>equal</td> <td>1.055 kJ</td> </tr> <tr> <td>1 Joule</td> <td>equal</td> <td>1 watt/second (Ws)</td> </tr> <tr> <td>1 Joule</td> <td>equal</td> <td>1 Newton meter (Nm)</td> </tr> </tbody> </table>					1 foot-pound	equal	1.356 J	1 foot-pound	equal	1.488 kg/m	1 kilokalorie	equal	4.185 kJ	1 Btu	equal	1.055 kJ	1 Joule	equal	1 watt/second (Ws)	1 Joule	equal	1 Newton meter (Nm)
1 foot-pound	equal	1.356 J																				
1 foot-pound	equal	1.488 kg/m																				
1 kilokalorie	equal	4.185 kJ																				
1 Btu	equal	1.055 kJ																				
1 Joule	equal	1 watt/second (Ws)																				
1 Joule	equal	1 Newton meter (Nm)																				

FLUID VOLUME																																																				
Quarts	x 0.946	equal	Liters	l																																																
Gallons	3.7854	equal	Liters	l																																																
Liters	x 1.057	equal	Quarts	qt																																																
Liters	x 0.2642	equal	Gallons	gal																																																
<table border="1"> <tbody> <tr> <td>1 fluid ounce</td> <td>equal</td> <td>29.57 milli-liters</td> </tr> <tr> <td>1 US pint</td> <td>equal</td> <td>0.473 liters</td> </tr> <tr> <td>1 US pint</td> <td>equal</td> <td>4 gills</td> </tr> <tr> <td>1 US quart</td> <td>equal</td> <td>0.9464 liters</td> </tr> <tr> <td>1 US quart</td> <td>equal</td> <td>2 pints (8gills)</td> </tr> <tr> <td>1 gallon</td> <td>equal</td> <td>3.785 liters</td> </tr> <tr> <td>1 gallon</td> <td>equal</td> <td>4 quarts - 8 pints</td> </tr> <tr> <td>1 liter</td> <td>equal</td> <td>1.057 quarts</td> </tr> <tr> <td>1 liter</td> <td>equal</td> <td>0.2642 gallons</td> </tr> <tr> <td>1 barrel oil</td> <td>equal</td> <td>42 gallons, 168 quarts</td> </tr> <tr> <td>1 barrel oil</td> <td>equal</td> <td>158.97 liters</td> </tr> <tr> <td>1 US barrel</td> <td>equal</td> <td>31.5 gallons - 126 quarts</td> </tr> <tr> <td>1 gallon water</td> <td>equal</td> <td>8.3453 pounds</td> </tr> <tr> <td>1 hecto liter</td> <td>equal</td> <td>100 liters, 211.34 pints</td> </tr> <tr> <td>1 liter</td> <td>equal</td> <td>2.1134 pints - 10 deciliter</td> </tr> <tr> <td>1 liter</td> <td>equal</td> <td>1.0568 quarts</td> </tr> </tbody> </table>					1 fluid ounce	equal	29.57 milli-liters	1 US pint	equal	0.473 liters	1 US pint	equal	4 gills	1 US quart	equal	0.9464 liters	1 US quart	equal	2 pints (8gills)	1 gallon	equal	3.785 liters	1 gallon	equal	4 quarts - 8 pints	1 liter	equal	1.057 quarts	1 liter	equal	0.2642 gallons	1 barrel oil	equal	42 gallons, 168 quarts	1 barrel oil	equal	158.97 liters	1 US barrel	equal	31.5 gallons - 126 quarts	1 gallon water	equal	8.3453 pounds	1 hecto liter	equal	100 liters, 211.34 pints	1 liter	equal	2.1134 pints - 10 deciliter	1 liter	equal	1.0568 quarts
1 fluid ounce	equal	29.57 milli-liters																																																		
1 US pint	equal	0.473 liters																																																		
1 US pint	equal	4 gills																																																		
1 US quart	equal	0.9464 liters																																																		
1 US quart	equal	2 pints (8gills)																																																		
1 gallon	equal	3.785 liters																																																		
1 gallon	equal	4 quarts - 8 pints																																																		
1 liter	equal	1.057 quarts																																																		
1 liter	equal	0.2642 gallons																																																		
1 barrel oil	equal	42 gallons, 168 quarts																																																		
1 barrel oil	equal	158.97 liters																																																		
1 US barrel	equal	31.5 gallons - 126 quarts																																																		
1 gallon water	equal	8.3453 pounds																																																		
1 hecto liter	equal	100 liters, 211.34 pints																																																		
1 liter	equal	2.1134 pints - 10 deciliter																																																		
1 liter	equal	1.0568 quarts																																																		

Formulas - Data - Comparison

Force - Length



FORCE

1 poundal (pdl)	equal	0.1383 Newton (N)
1 ounce of force (ozf)	equal	0.278 Newton (N)
1 pound of force (lbf)	equal	4.448 Newton (N)
1 pound of force (lbf)	equal	0.4536 kilogram (kg)
1 U.S. ton	equal	8.90 kilo Newton (kN)
1 kilogram force	equal	2.205 pounds (lbf)
1 kilogram force	equal	9.807 Newton (N)
1 Newton (N)	equal	0.2248 pounds (lbf)

LENGTH

1 mil	equal	0.0254 micrometer
1 inch	equal	25.4 millimeters
1 inch	equal	2.54 centimeters
1 inch	equal	1000 mil
1 foot	equal	0.3048 meter
1 foot	equal	30.48 centimeters
1 foot	equal	12 inches
1 yard	equal	0.914 meter
1 yard	equal	91.44 centimeters
1 yard	equal	914.4 millimeters
1 yard	equal	3 feet - 36 inches
1 chain	equal	20.1 meters
1 mile	equal	1.609 kilometers
1 mile	equal	1,760 yards - 5,280 feet
1 micrometer	equal	39.37 micro inches
1 millimeter	equal	0.03937 inches
1 centimeter	equal	0.3937 inches
1 decimeter	equal	3.937 inches
1 meter	equal	10 decimeters - 100 centimeters
1 meter	equal	1,000 millimeters
1 meter	equal	3.281 feet
1 meter	equal	1.094 yards
1 kilometer	equal	0.6214 mile
1 kilometer	equal	1,000 meters
1 kilometer	equal	100,000 centimeters

Formulas - Data - Comparison

Power - Pressure - Speed



POWER

1 U.S. horsepower	equal	0.7457 kilowatt (kW)
1 U.S. horsepower	equal	746 watt (W)
1 Kilowatt (kW)	equal	1.341 horsepower (hp)
1 Joule/second (J/s)	equal	1 Watt - Newton m/s (Nm/s)

PRESSURE

1 pound force per sq.in. (psi)	equal	6.895 Kilopascal (kPa)
1 pound force per sq.in. (psi)	equal	703 kilo pound per sq. m (kp/m ²)
1 pound force per sq.in. (psi)	equal	0.0703 bar
1 pound force per square ft.	equal	0.15 kp/m ²
1 pound force per square ft.	equal	0.478 mbar
1 pound force per square yd.	equal	0.543 kp/m ²
1 phys. atmosphere	equal	1.033 bar
1 phys. atmosphere	equal	14.7 lbs/square inc.
1 kp/mm ²	equal	1,422 psi
1 bar	equal	14.5 psi
1 N/mm ²	equal	145 psi

SPEED

1 mile per hour	equal	1.609 km per hour
1 mile per hour	equal	0.447 meter per second
1 centimeter per second	equal	0.03281 feet per second
1 meter per second	equal	196.8 feet per minute
1 meter per second	equal	3.281 feet per second
1 meter per second	equal	39.37 inches per second

Formulas - Data - Comparison

Volume - Weight - Velocity



VOLUME

1 cubic inch	equal	16,387 cubic millimeter (mm ³)
1 cubic inch	equal	16.387 cubic centimeters (cm ³)
1 cubic foot	equal	0.0283 cubic meter (m ³)
1 cubic yard	equal	0.7646 cubic meter (m ³)
1 cubic cm	equal	0.06102 cubic inch
1 cubic meter	equal	35.31 cubic foot
1 cubic foot	equal	1,728 cubic inches
1 cubic yard	equal	27 cubic feet
1 cubic meter	equal	1,000,000 cubic centimeters
1 cubic centimeter	equal	1,000 cubic millimeters

WEIGHT

1 grain	equal	0.059 gram
1 dram	equal	1.770 gram
1 ounce	equal	16 drams
1 ounce	equal	28.349 grams
1 pound	equal	0.454 kilogram
1 pound	equal	16 ounces
1 stone	equal	14 pounds
1 stone	equal	6.35 kilograms
1 quarter	equal	25 pounds
1 quarter	equal	400 ounces
1 quarter	equal	11.34 kilograms
1 U.S. Cwt	equal	100 pounds
1 U.S. Cwt	equal	1,600 ounces
1 U.S. ton	equal	0.907 ton
1 U.S. ton	equal	907.184 kilograms
1 U.S. ton	equal	2,000 lbs.
1 U.S. ton	equal	20 U.S. Cwt
1 gram	equal	0.03527 ounces
1 gram	equal	16 grains
1 kilogram	equal	2.205 ounces
1 ton	equal	1,000 kilograms

VELOCITY

1 in./sec.	equal	0.0254 meter/sec.
1 ft./sec.	equal	0.3048 meter/sec.
1 ft./minute	equal	0.00508 meter/sec.
1 mile/hr.	equal	0.4470 meter/sec.
1 kilometer/hr.	equal	0.2889 meter/sec.
1 meter/sec.	equal	3.281 ft./sec.
1 meter/sec.	equal	196.9 ft./min.
1 meter/sec.	equal	2.237 miles/hr.
1 meter/sec.	equal	3.6 km/hr.

Formulas - Data - Comparison
Temperature



DEGREES CELSIUS VERSUS DEGREES FAHRENHEIT							
° C	° F	° C	° F	° C	° F	° C	° F
-80.0	-112.0	-15.0	5.0	15.0	59.0	45.0	113.0
-70.0	-94.0	-14.0	6.8	16.0	60.8	46.0	114.8
-60.0	-65.0	-13.0	8.6	17.0	62.6	47.0	116.6
-50.0	-58.0	-12.0	10.4	18.0	64.4	48.0	118.4
-45.0	-49.1	-11.0	12.2	19.0	66.2	49.0	120.2
-40.0	-40.0	-10.0	14.0	20.0	68.0	50.0	122.0
-39.0	-38.2	-9.0	15.8	21.0	69.8	51.0	123.8
-38.0	-36.4	-8.0	17.6	22.0	71.6	52.0	125.6
-37.0	-34.6	-7.0	19.4	23.0	73.4	53.0	127.4
-36.0	-32.8	-6.0	21.2	24.0	75.2	54.0	129.2
-35.0	-31.0	-5.0	23.0	25.0	77.0	56.0	132.8
-34.0	-29.2	-4.0	24.8	26.0	78.8	58.0	136.4
-33.0	-27.4	-3.0	26.6	27.0	80.6	60.0	140.0
-32.0	-25.6	-2.0	28.4	28.0	82.4	62.0	143.6
-31.0	-23.8	-1.0	30.2	29.0	84.2	65.0	149.0
-30.0	-22.0	0.0	32.0	30.0	86.0	70.0	158.0
-29.0	-21.5	1.0	33.8	31.0	87.8	75.0	167.0
-28.0	-18.4	2.0	35.6	32.0	89.6	80.0	176.0
-27.0	-16.6	3.0	37.4	33.0	91.4	85.0	185.0
-26.0	-14.8	4.0	39.2	34.0	93.2	90.0	194.0
-25.0	-13.0	5.0	41.0	35.0	95.0	95.0	203.0
-24.0	-11.2	6.0	42.8	36.0	96.8	100.0	212.0
-23.0	-9.4	7.0	44.6	37.0	98.6	110.0	230.0
-22.0	-7.6	8.0	46.4	38.0	100.4	130.0	266.0
-21.0	-5.8	9.0	48.2	39.0	102.2	150.0	302.0
-20.0	-4.0	10.0	50.0	40.0	104.0	200.0	392.0
-19.0	-2.2	11.0	51.8	41.0	105.8	300.0	572.0
-18.0	-0.4	12.0	53.6	42.0	107.6	400.0	752.0
-17.0	1.4	13.0	55.4	43.0	109.4	500.0	932.0
-16.0	3.2	14.0	57.2	44.0	111.2	600.0	1112.0
Formula:	° F	=	(1.8 x Celsius) + 32				
	° C	=	0.5556 x (F-32)				

Formulas - Data - Comparison

AWG / METRIC COMPARISON



						
Cross Section mm ²	No. of Strands Class 2 VDE 0295	No. of Strands	No. of Strands Highflex Class 5 VDE 0295	No. of Strands Superflex Class 6 VDE 0295	Approx. AWG Size	AWG Section mm ²
0.14				18 x 0.1	26	0.128
0.25			14 x 0.15	32 x 0.1	24	0.205
0.34		7 x 0.25	19 x 0.15	42 x 0.1	22	0.325
0.38		7 X 0.27	12 x 0.2	21 x 0.15	22	0.325
0.50		7 x 0.3	16 x 0.2	28 x 0.15	20	0.519
0.75		7 x 0.37	24 x 0.2	42x 0.15	18	0.823
1.00		7 x 0.43	32 x 0.2	56 x 0.15	17	1.04
1.50		7 x 0.52	30 x 0.25	84 x 0.15	16	1.31
2.50	7 x 0.67	19 x 0.41	50 x 0.2	140 x 0.15	14	2.08
4	7 x 0.85	19 x 0.52	56 x 0.3	224 x 0.15	12	3.31
6	7 x 1.05	19 x 0.64	84 x 0.3	192 x 0.2	10	5.27
10	7 x 1.35	49 x 0.51	80 x 0.4	320 x 0.2	8	8.35
16	7 x 1.7	49 x 0.65	128 x 0.4	512 x 0.2	6	13.3
25	7 x 2.13	84 x 0.62	200 x 0.4	800 x 0.2	4	21.2
35	7 x 2.52	133 x 0.58	280 x 0.4	1120 x 0.2	2	33.6
50	19 x 1.83	133 x 0.69	400 x 0.4	705 x 0.3	1	42.4
70	19 x 2.17	189 x 0.69	356 x 0.5	990 x 0.3	2/0	67.5
95	19 x 2.52	259 x 0.69	485 x 0.5	1340 x 0.3	3/0	85.0
120	37 x 2.03	336 x 0.67	614 x 0.5	1690 x 0.3	4/0	102.7
150	37 x 2.27	392 x 0.69	765 x 0.5	2132 x 0.3	300MCM	152

Information Sheets

I-J	
Term	Explanation
I	Symbol used to designate current.
ICEA	Insulated Cable Engineers Association.
IEC	International Electromechanical Commission.
IEEE	Institute of Electrical and Electronic Engineers.
IF	Intermediate-Frequency.
Impedance (Z)	The total opposition that a circuit offers to the flow of alternating current or any other varying current at a particular frequency. It is a combination of resistance (R) and reactance (X), measured in ohms.
Inductance (L)	The property of a circuit or circuit element that opposes a change in current flow, thus causing current changes to lag behind voltage changes. It is measured in Henrys.
Induction	The phenomenon of a voltage/magnetic field, or electrostatic charge being produced in an object by lines of force from the source of such fields.
Inductive Sensor	A sensing device that is actuated by a metal object.
Insertion Force	The force required to insert a contact into the mating contact.
Insertion Loss	A measure of the attenuation of a device by determining the output of a system before and after the device is inserted into the system.
Insulation Resistance	The resistance measured in ohms at a designated voltage between two or more conductors separated by the insulation whose resistance is being measured.

Information Sheets

I-J	
Term	Explanation
Interface	The region where two systems or a major and a minor system meet and interact with each other.
Interference	Electrical or electromagnetic disturbance which introduce undesirable responses into other electronic equipment.
Interrogate Pulse	An electrical signal sent to a device for the purpose to determining identity or status by causing the device to produce an appropriate response.
Ionization	The formation of ions. Ions are produced when polar compounds are dissolved in a solvent and when a liquid, gas, or solid is caused to lose or gain electrons due to the passage of an electric current.
IPCEA	Insulated Power Cable Engineers Association.
IR-Drop	The designation of a voltage drop in terms of current and resistance.
Irradiation	In insulations, the expose of the material to high energy emissions to alter the molecular structure by crosslinking.
IRS	Ignition Radiation Suppression.
ISA	Instrument Society of America.
ISO	International Standards Organization.
Jacket	An outer covering, usually non-metallic, mainly used for protection against the environment.



Warranty and Disclaimer

A limited warranty applies to the products sold by rde Connectors & Cables, Inc.

rde Connectors & Cables, Inc. will not be liable for any loss, damage, cost of repairs, incidental or consequential damages of any kind, whether or not based upon express or limited warranty, contract, negligence, or strict liability arising in connection with the design, manufacture, sale, use, or repair of the products.

rde Connectors & Cables, Inc. expressly warrants that each product sold will be free from defects in material and workmanship. The purchaser should inspect goods delivered with respect to possible external damage immediately upon receipt. rde Connector & Cables, Inc.'s liability under this warranty is limited to the repair or replacement of any unit which proves to be defective in material or workmanship under normal use or service within one year from date of shipment, provided the unit is returned at purchaser's expense to seller's shipping point. No material is accepted for analysis, replacement, or repair without an RMA number issued by the sales department of rde Connectors & Cables, Inc.

The warranty of rde Connectors & Cables, Inc. shall not apply to any goods or components thereof which have been subjected to any of the following:

- ▶ **IMPROPER OPERATION**
- ▶ **STORAGE OR MAINTENANCE**
- ▶ **MATERIAL MODIFICATIONS, UNLESS APPROVED BY rde Connectors & Cables, Inc.**
- ▶ **ANY DAMAGE CAUSED BY ACCIDENT, REGARDLESS OF FAULT**

Except as expressly set forth above, rde Connector & Cables, Inc. shall not be liable for incidental or consequential damages of any kind, including but not limited to loss of profits, downtime expenses, or increased cost of operation.

rde Connectors & Cables, Inc. reserves the right to discontinue manufacture of any product, or to change product materials, designs, or specifications at any time and without prior notice.

All statements made in our catalogs and literature are subject to omission and/or error. We do not guarantee that the information presented therein is accurate or complete, and we disclaim any liability regarding its use.



Terms and Conditions of Sale

Terms

All orders are shipped C.O.D. or via credit card payment, unless an open account has been established previously. Open account terms are 30 days net from the date of the invoice. Should a collection fee be incurred due to delayed payments, it will be applied to the account. Other penalty charges may apply. All products purchased from rde Connectors & Cables, Inc., remain the property of rde until all outstanding invoices have been paid in full.

Minimum Orders

There is no minimum order requirement. Orders under \$100 may be paid by credit card only. Orders under \$100.00 are subject to a \$25.00 handling charge, unless other arrangements are made. A minimum order amount of \$250.00 is required for orders outside of the USA.

Shipping

Unless otherwise specified, all orders will be shipped via UPS Ground. All goods are shipped FOB Sunrise, Florida. We insure each UPS shipment. Insurance will only be excluded if we have a written statement of the customer to pay the full amount of the invoice if the shipment gets lost. The title does not pass to the customer until the goods are fully paid to rde Connectors & Cables, Inc.

Backorders

Unless otherwise instructed, any items that are out of stock will be placed on backorder. The customer is instructed not to reorder this item as it will be shipped upon arrival at our production facilities.

Returns

rde Connectors & Cables, Inc., warrants its merchandise to be free from any defect(s) in material, assembly, title, or other. All orders are final; only defective goods may be returned. In the event of a product defect, it may be returned to our current business address, provided the customer has secured an RMA number from rde, and has displayed such on the outside of the package. The customer may call or write to obtain an RMA number from our sales department prior to returning the product(s). All RMA requests must be submitted within 30 days of receipt of the merchandise.

Cancellations

Orders may only be cancelled within 1 business day after the date of placement. There will be no exceptions.

Notice

rde Connectors & Cables, Inc., reserves the right to change its Conditions of Sale without prior notice.

Specialties for our Customers



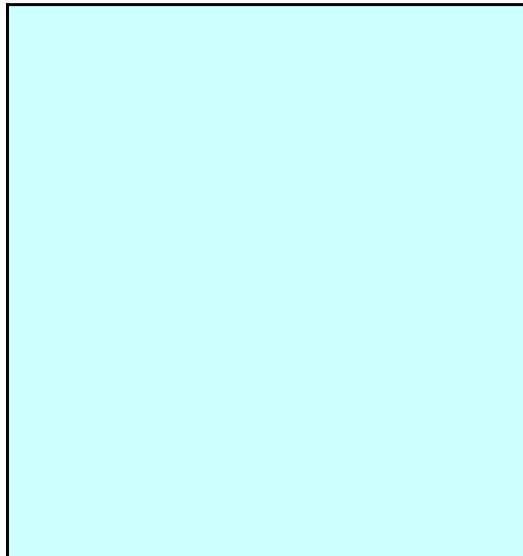
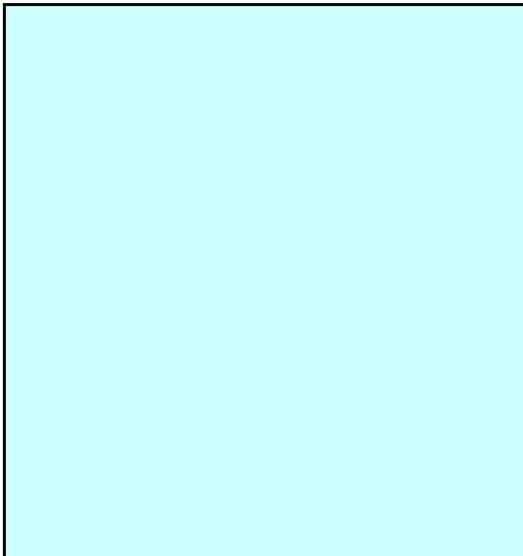
Specialties for our Customers



Color Coded Connectors
Page L-A-06

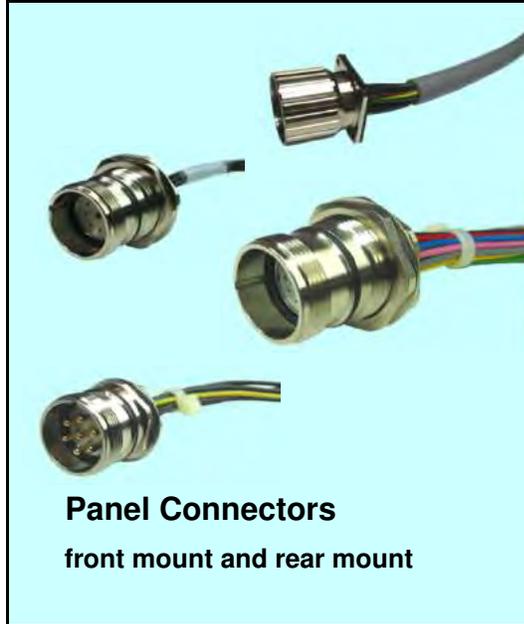


Molding Cables
Page L-A-07

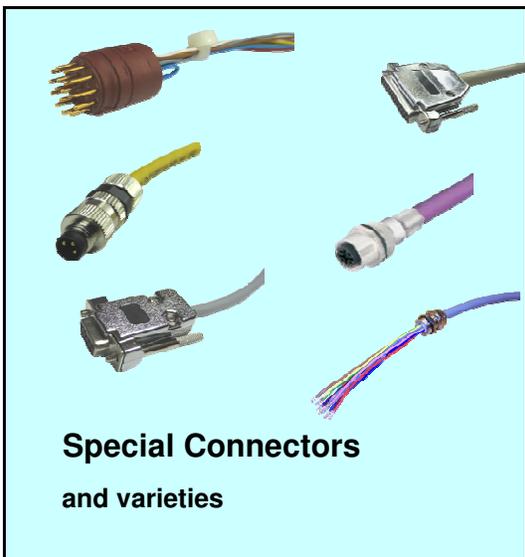




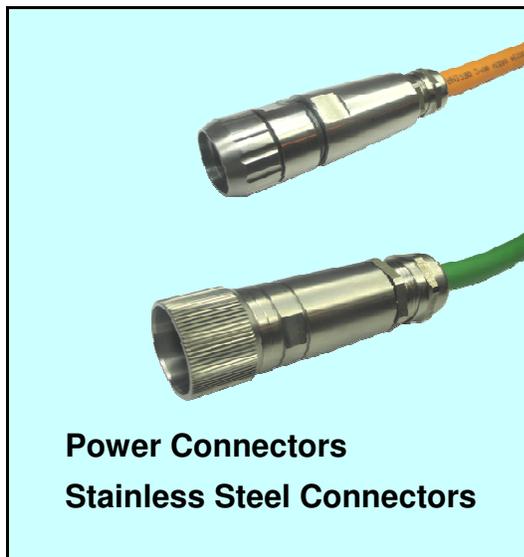
Cable Connectors
male and female



Panel Connectors
front mount and rear mount



Special Connectors
and varieties



Power Connectors
Stainless Steel Connectors

Special Connector Parts



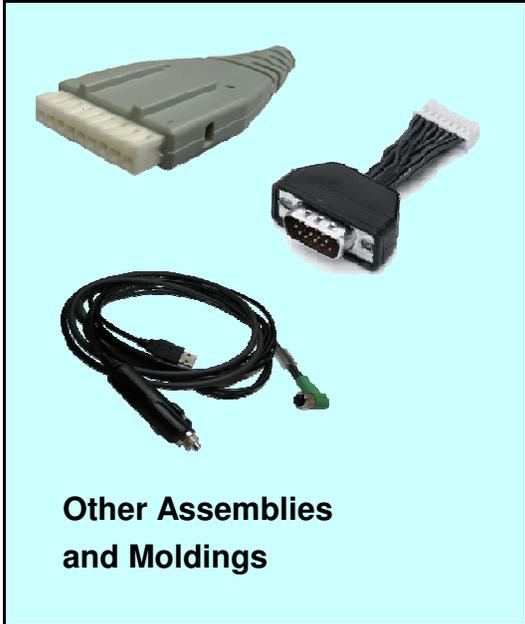
Molding Parts



Color Coded Connectors



Products out of our Molding Machines....



**Other Assemblies
and Moldings**



**Other Assemblies
and Moldings**



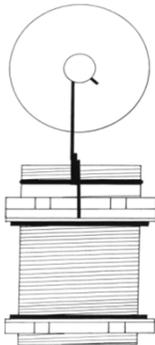
**Other Assemblies
and Moldings**



**Other Assemblies
and Moldings**



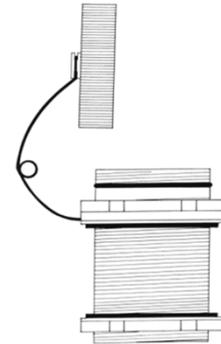
Industrial & Marine Series W C S



Rear View



Front View

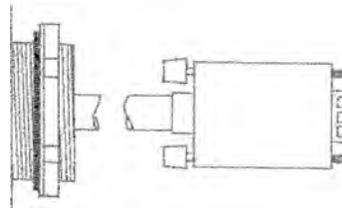


Side View



Top View

Example: HD 15 Monitor



Back Side (Cable Outlet)

Example: HD 15 pos. for Monitor

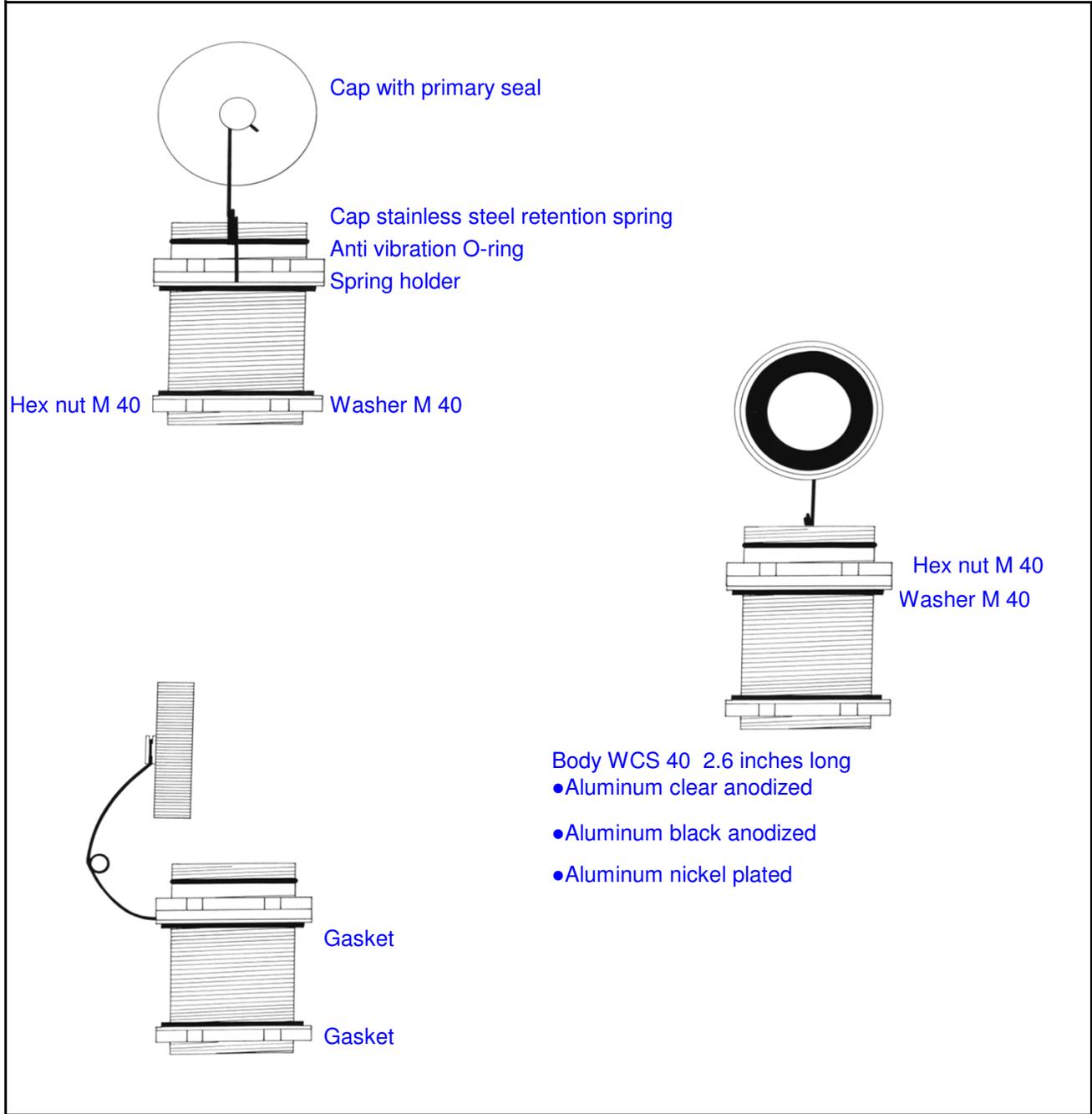
... with our new water-resistant (IP 68) receptacle system, you can now access devices that previously needed to be sheltered in outside and exposed environments. Our system was designed as a universal, robust, yet compact and low-profile solution to protect many different types of device applications, ranging from standard interconnects, hazard switches, ignition switches, and many other device types requiring protection. Initially developed for the marine industry, the robust and full metal body design is well suited for harsh environment applications often found in industrial and military sectors.

.... for more custom configurations, please contact us !



Industrial & Marine Series W C S

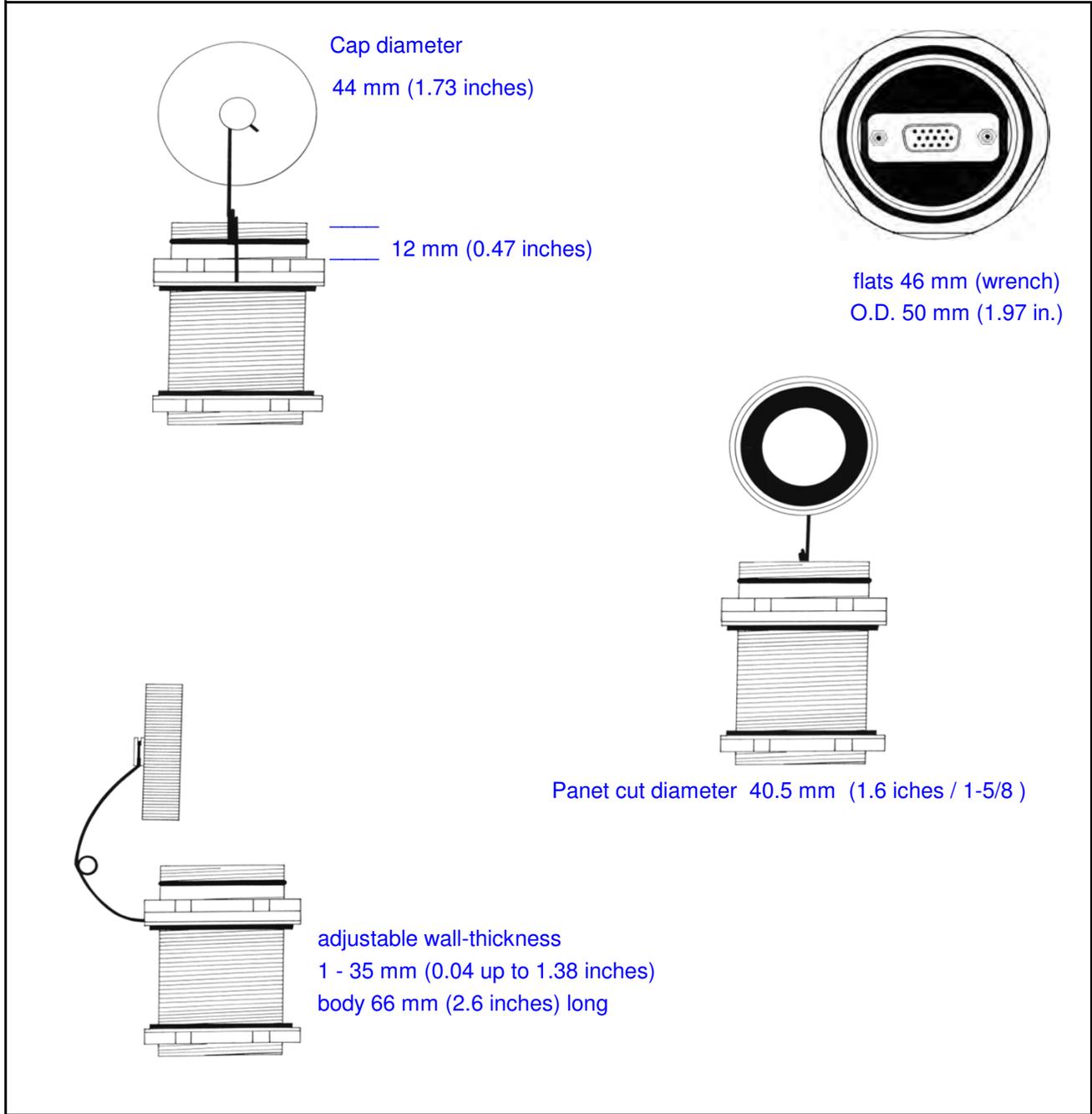
The Details





Industrial & Marine Series W C S

The Measurements





Industrial & Marine Series W C S

The most popular versions

Top View	Back Side	Description	Length	Part Number
		Battery connector with 2 leads 16 AWG red (+) black (-) include mating connector	6 feet	WN1-1BCAA0-006F
			10 feet	WN1-1BCAA0-010F
			15 feet	WN1-1BCAA0-015F
			25 feet	WN1-1BCAA0-025F
			50 feet	WN1-1BCAA0-050F
			100 feet	WN1-1BCAA0-100F
		RJ 45 shielded connector with female side potted and male connector at the open end. 8 pos. for Ethernet etc.. shielded cable CAT 5e	6 feet	WN1-145AA0-006F
			10 feet	WN1-145AA0-010F
			15 feet	WN1-145AA0-015F
			25 feet	WN1-145AA0-025F
			50 feet	WN1-145AA0-050F
			100 feet	WN1-145AA0-100F
		D-Sub Connector DB9 with female side potted and male connector at the open end. 9 position for various applications	6 feet	WN1-1DBAA0-006F
			10 feet	WN1-1DBAA0-010F
			15 feet	WN1-1DBAA0-015F
			25 feet	WN1-1DBAA0-025F
			50 feet	WN1-1DBAA0-050F
			100 feet	WN1-1DBAA0-100F
		High Density connector HD 15 with female side potted and male connector at the open end, 14 pos. wired, for IBM monitors and compatibles with ferrite core	6 feet	WN1-1MTAA0-006F
			10 feet	WN1-1MTAA0-010F
			15 feet	WN1-1MTAA0-015F
			25 feet	WN1-1MTAA0-025F
			50 feet	WN1-1MTAA0-050F
			75 feet	WN1-1MTAA0-075F
100 feet	WN1-1MTAA0-100F			
		1 x USB2-A connector with 1 x MinDin6 connector, both female sides potted and male connectors at the open end, for various applications like printers, keyboard ...	6 feet	WN1-2ADAA0-006F
			10 feet	WN1-2ADAA0-010F
		2 x USB2-B connectors with female sides potted and male connectors at the open end, for various applications	6 feet	WN1-2BBAA0-006F
			10 feet	WN1-2BBAA0-010F



Industrial & Marine Series W C S

The most popular versions

Top View	Back Side	Description	Length	Part Number
		1 x USB2-B connector with 1 x MinDin6 connector, with female sides potted and male connectors at the open end, for various applications like printers, keyboard, mouse ...	6 feet	WN1-2BDAA0-006F
			10 feet	WN1-2BDAA0-010F
			15 feet	WN1-2BDAA0-015F
		2 x MinDin6 connectors with female sides potted and male connectors at the open end.	6 feet	WN1-2DDAA0-006F
			10 feet	WN1-2DDAA0-010F
			15 feet	WN1-2DDAA0-015F
			25 feet	WN1-2DDAA0-025F
		3 x USB2-A connectors with female sides potted and male connectors at the open end.	6 feet	WN1-3AAAA0-006F
			10 feet	WN1-3AAAA0-010F
		2 x USB2-A connectors and 1 x MinDin6 connector with female sides potted and male connectors at the open end.	6 feet	WN1-3ADAA0-006F
			10 feet	WN1-3ADAA0-010F
		2 x MinDin6 connectors and 1 x USB2-A connector with female sides potted and male connectors at the open end.	6 feet	WN1-3ADAA1-006F
			10 feet	WN1-3ADAA1-010F
		1 x MinDin6, 1 x USB2-A and 1 x USB2-B connector with female sides potted and male connectors at the open end.	6 feet	WN1-3BAAA0-006F
			10 feet	WN1-3BAAA0-010F



Industrial & Marine Series W C S

The most popular versions

Top View	Back Side	Description	Length	Part Number
		Power connector, 3 conductor, grounded, 13 Amps, 125 Volt, 16AWG, 1625 Watts, male side potted, female side at the open end.	10 feet	WN1-1PCMP0-010F
			25 feet	WN1-1PCMP0-025F
			50 feet	WN1-1PCMP0-050F
		Power connector, 3 conductor, grounded, 13 Amps, 125 Volt, 16AWG, 1625 Watts, male side potted, open end with single conductors.	10 feet	WN1-1PCMP1-010F
			25 feet	WN1-1PCMP1-025F
			50 feet	WN1-1PCMP1-050F
			100 feet	WN1-1PCMP1-100F
			150 feet	WN1-1PCMP1-150F
200 feet	WN1-1PCMP1-200F			
		Power connector, 3 conductor, grounded, 13 Amps, 125 Volt, 16AWG, 1625 Watts, female side potted, male side at the open end.	10 feet	WN1-1PCFP0-010F
			25 feet	WN1-1PCFP0-025F
			50 feet	WN1-1PCFP0-050F
		Power connector, 3 conductor, grounded, 13 Amps, 125 Volt, 16AWG, 1625 Watts, female side potted, open end with single conductors.	10 feet	WN1-1PCFP1-010F
			25 feet	WN1-1PCFP1-025F
			50 feet	WN1-1PCFP1-050F
			100 feet	WN1-1PCFP1-100F
			150 feet	WN1-1PCFP1-150F
200 feet	WN1-1PCFP1-200F			
		RG 58/U Antenna connector female side potted, male side at the open end.	6 feet	WN1-1RG580-006F
			10 feet	WN1-1RG580-010F
			25 feet	WN1-1RG580-025F
			50 feet	WN1-1RG580-050F
		1xRG 58/U Antenna connector and 1 x MiniDin6 connector with female sides potted and male sides at the open end.	6 feet	WN1-2RGMD6-006F
			10 feet	WN1-2RGMD6-010F
			25 feet	WN1-2RGMD6-025F
			50 feet	WN1-2RGMD6-050F



Industrial & Marine Series W C S

The most popular versions

Top View	Back Side	Description	Length	Part Number
		1xRG58/U Antenna connector and 1 x USB2-A connector with female sides potted and male connectors at the open end.	6 feet	WN1-2RGUA1-006F
			10 feet	WN1-2RGUA1-010F
		1xRG58/U Antenna connector and 2 x USB2-A connectors with female sides potted and male connectors at the open end.	6 feet	WN1-3RG2UA-006F
			10 feet	WN1-3RG2UA-010F
		1xRG58/U Antenna connector and 2 x MiniDin6 connectors with female sided potted and male connectors at the open end.	6 feet	WN1-3RG2MD-006F
			10 feet	WN1-3RG2MD-010F
			25 feet	WN1-3RG2MD-025F
			50 feet	WN1-3RG2MD-050F
		1xRG58/U Antenna connector and 1 x USB2-B connector with female sides potted and male connectors at the open end.	6 feet	WN1-2RGUB0-006F
			10 feet	WN1-2RGUB0-010F
		1 x High Density connector HD 15 and 2 x USB2-A connectors with female sides potted and male connectors at the open end.	6 feet	WN1-3MT2UA-006F
			10 feet	WN1-3MT2UA-010F
		1 x D-Sub connector DB 09 and 2 x USB2-A connectors with female sides potted and male connectors at the open end.	6 feet	WN1-3DB2UA-006F
			10 feet	WN1-3DB2UA-010F



Industrial & Marine Series W C S

The most popular versions

Top View	Back Side	Description	Length	Part Number
		2 x USB2-A connectors and 1 x MinDin6 connector with female sides potted and male connectors at the open end.	6 feet	WN1-3BAAA1-006F
			10 feet	WN1-3BAAA1-010F
		2 x MinDin6 connectors and 1 x USB2-B connector with female sides potted and male connectors at the open end.	6 feet	WN1-3BDAA1-006F
			10 feet	WN1-3BDAA1-010F
		3 x MinDin6 connectors with female sides potted and male connectors at the open end.	6 feet	WN1-3DDAA0-006F
			10 feet	WN1-3DDAA0-010F
			15 feet	WN1-3DDAA0-015F
			25 feet	WN1-3DDAA0-025F
			50 feet	WN1-3DDAA0-050F
		4 x MinDin6 connectors with female sides potted and male connectors at the open end.	6 feet	WN1-4DDAA0-006F
			10 feet	WN1-4DDAA0-010F
			15 feet	WN1-4DDAA0-015F
			25 feet	WN1-4DDAA0-025F
			50 feet	WN1-4DDAA0-050F



rde Connectors & Cables, Inc.
5277 N.W. 108th Avenue
Sunrise, FL 33351
Phone: 954-746-6400
Phone: 1-800-511-7184
Fax: 954-746-4700
<http://www.rde-usa.com>



rde Connectors & Cables, Inc.

5277 N.W. 108 Avenue

Sunrise, FL 33351

Phone: 954-746-6400

Fax: 954-746-4700

www.rde-usa.com