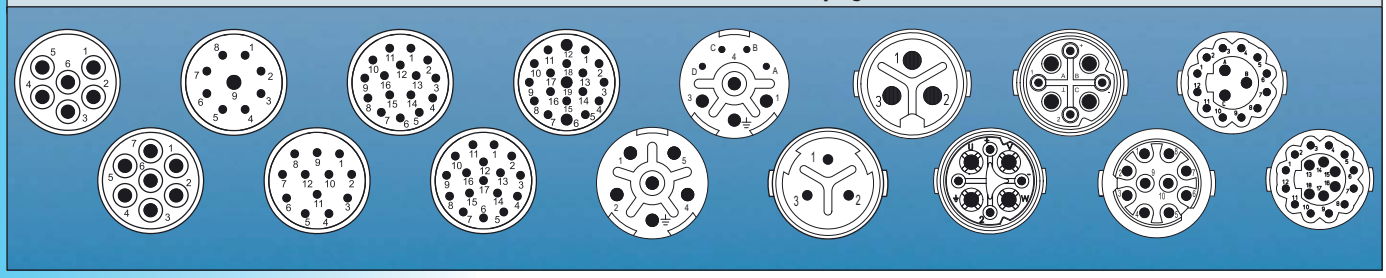
Stainless Steel Connectors (INOX)

Housings

page 158

Inserts

page 22, 74, 113



Accessories

page 29, 82, 115

Connectors Stainless Steel (INOX)

Mechanical Data	Materials and Technical Data	
Housing	Stainless Steel V4A	1.4404 (AISI 316 L)
Housing surface	Clear	
Inserts (for contacts)	Thermoplastic Polyamid PA 6 (Nylon 6/6), PBT	Fire protection class V-0
Contacts	Brass Alloy	
Contact surface at point of contact	Nickel and gold plated (0,25 µm Au)	
Minimum mating cycles	> 1000	
Seals / O-Rings	Viton (FPM), alternativ EPDM	
Temperature range	-40° C – 125° C	
Type of contacts signal M23	Crimp, solder, dip-solder (PCB)	
Type of contacts power M23	Crimp	
Type of contacts M16	Crimp, dip-solder (PCB)	
Protection	IP 67 / IP 69 K per EN 60 529 (connected), NEMA 4x	

Additional Information

Electrical data see standard program

Connectors M16	page 17
Signal Connectors M23	page 65
Power Connectors M23	page 107

Inserts and contacts see standard program

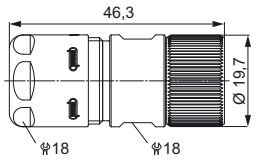
Connectors M16	page 22
Signal Connectors M23	page 74
Power Connectors M23	page 113

⚠ We do not recommend disconnecting or connecting HUMMEL Connectors under load.

Typical Applications

Signal Connectors M 16 / Stainless Steel (INOX)

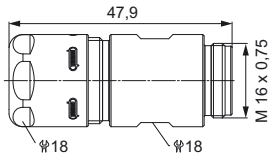
Straight Connector, Female Thread



Cable-Ø	Part Number
3 – 6 mm (.12" – .24")	7.814.300.000
5 – 9 mm (.20" – .35")	7.814.400.000
8 – 11 mm (.31" – .43")	7.814.500.000

Contacts and inserts page 22

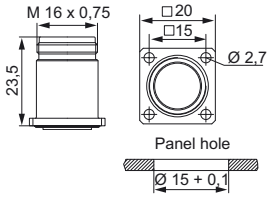
Straight Connector, Male Thread



Cable-Ø	Part Number
3 – 6 mm (.12" – .24")	7.824.300.000
5 – 9 mm (.20" – .35")	7.824.400.000
8 – 11 mm (.31" – .43")	7.824.500.000

Contacts and inserts page 22

Panel Connector, Male Thread

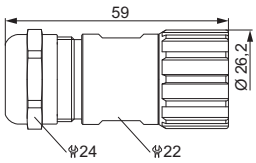


Type	Part Number
4 x holes Ø 2,7 mm (.11") Flange 20 x 20 mm	7.840.400.000

Contacts and inserts page 22 • Assembly instructions page 38

Straight Connector, Female Thread

Cable-Ø	Part Number	Part Number EMC
3 – 7 mm (.12 – .28“)	7.140.300.000	7.141.300.000
5 – 10 mm (.20 – .39“)	7.140.400.000	7.141.400.000
7 – 12 mm (.27 – .47“)	7.140.500.000	7.141.500.000
10 – 14 mm (.39 – .55“)	7.140.600.000	7.141.600.000

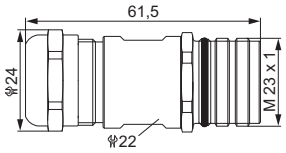


Contacts and inserts page 74 • Assembly instructions page 163

Assembly tool 7.010.900.127 is required

Straight Connector, Male Thread

Cable-Ø	Part Number	Part Number EMC
3 – 7 mm (.12 – .28“)	7.240.300.000	7.241.300.000
5 – 10 mm (.20 – .39“)	7.240.400.000	7.241.400.000
7 – 12 mm (.27 – .47“)	7.240.500.000	7.241.500.000
10 – 14 mm (.39 – .55“)	7.240.600.000	7.241.600.000

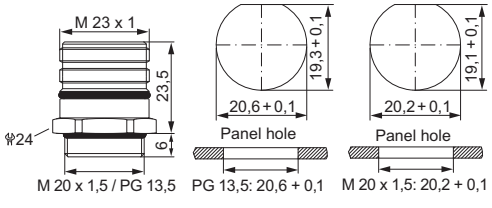


Contacts and inserts page 74 • Assembly instructions page 164

Panel Connector, Male Thread, Single Hole Mounted

Type	Part Number
Front mounting for male inserts	
Thread M 20 x1,5	7.420.400.000

FOR MALE INSERTS ONLY

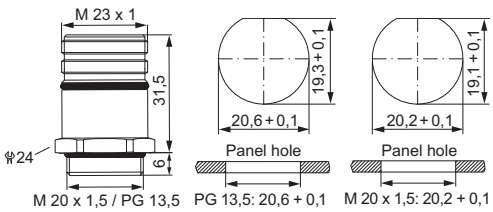


Contacts and inserts page 74 • Assembly instructions page 91

Panel Connector, Male Thread, Single Hole Mounted

Type	Part Number
Front mounting for female inserts	
Thread M 20 x1,5	7.421.400.000

FOR FEMALE INSERTS ONLY

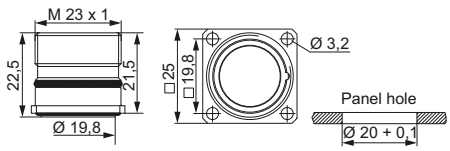


Contacts and inserts page 74 • Assembly instructions page 92

Signal- / Power Connectors M23 / Stainless Steel (INOX)

Panel Connector, Male Thread

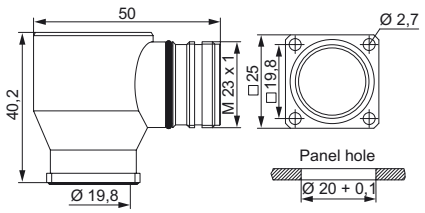
Type	Part Number
With anti-vibration O-Ring	
4 holes Ø 3,2 mm (.13“)	7.410.400.000



Contacts and inserts page 74 • Assembly instructions page 91 / 92

Right Angle Panel Connector, Male Thread

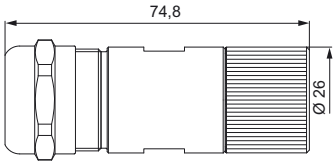
Type	Part Number
4 holes Ø 2,7 mm (.11“)	7.430.400.000



Contacts and Inserts page 74

Straight Connector, Female Thread

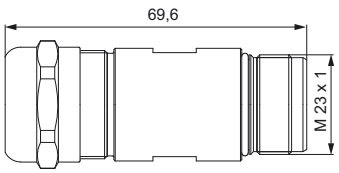
Cable-Ø	Part Number
7 – 12 mm (.27 – .47“)	7.554.500.000
11 – 17 mm (.43 – .67“)	7.554.600.000



Contacts and inserts page 113 • Assembly instructions page 121

Straight Connector, Male Thread

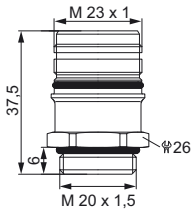
Cable-Ø	Part Number
7 – 12 mm (.27 – .47“)	7.564.500.000
11 – 17 mm (.43 – .67“)	7.564.600.000

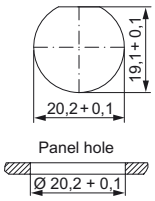


Contacts and inserts page 113 • Assembly instructions page 121

Panel Connector, Male Thread, Single Hole Mounted

Type	Part Number
Front mounting	
Thread M 20 x1,5	7.621.400.000





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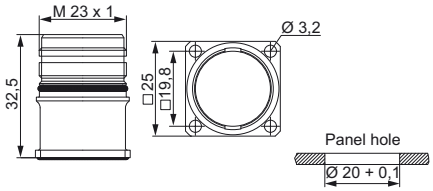
Panel Connector, Male Thread

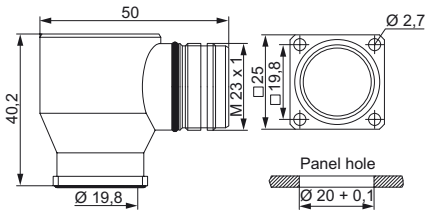
Type	Part Number
For front mounting	
4 holes Ø 3,2 mm (.13")	7.601.400.000
Optional:	
Flat gasket	



Contacts and inserts page 113 • Assembly instructions page 123

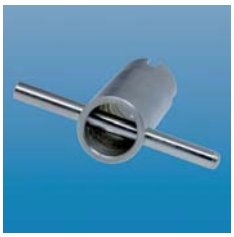
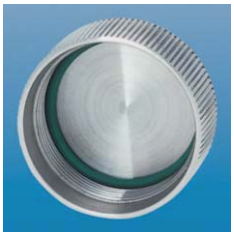
Right Angle Panel Connector, Male Thread

Type	Part Number
4 holes Ø 2,7 mm (.11")	7.630.400.000

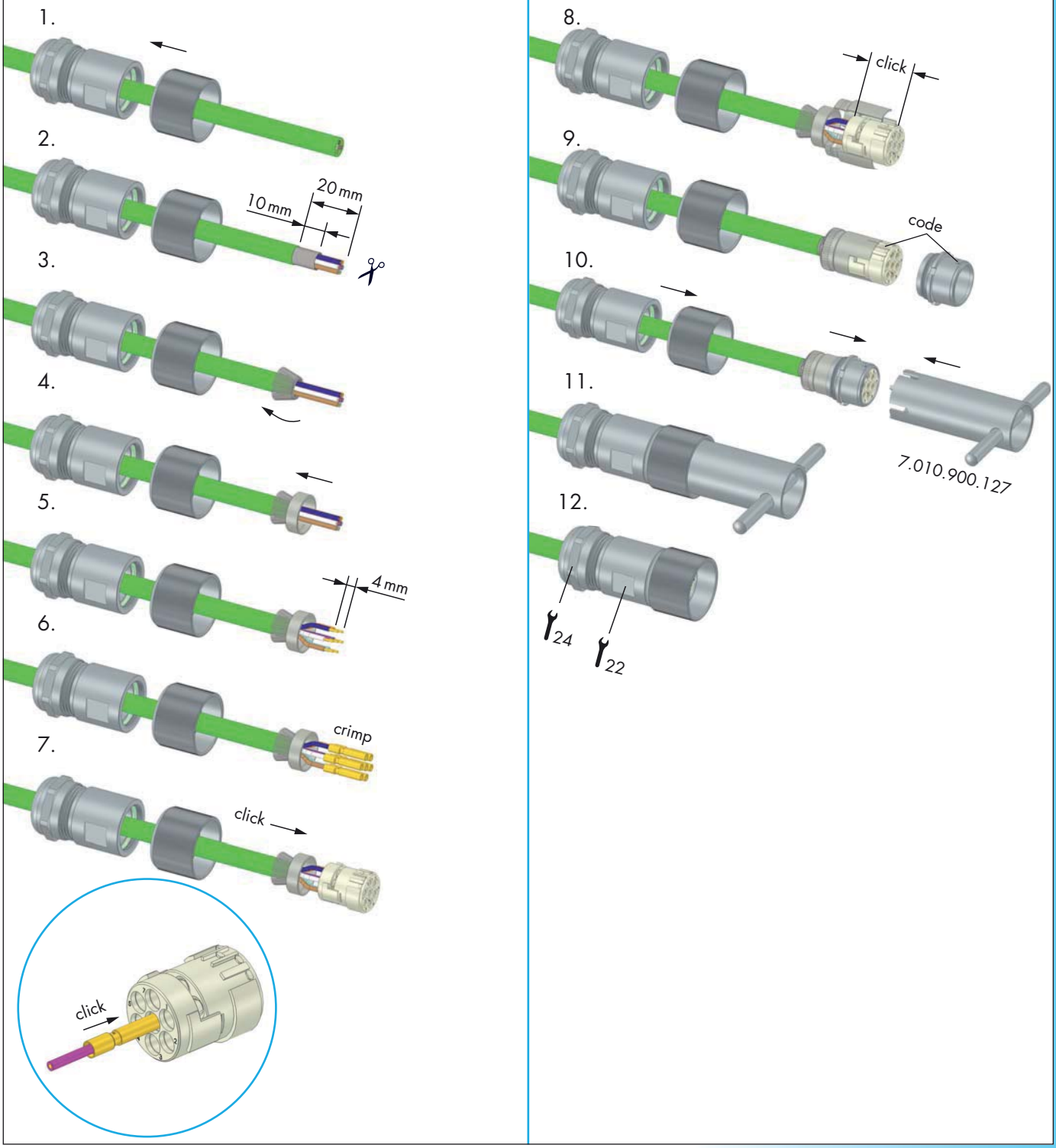


Contacts and Inserts page 113

Stainless Steel Connectors (INOX) / Accessories

Accessories	Type	Part Number
	Assembly tool	7.010.900.127
	Plastic protective cap for connectors M 16 with male thread for connectors M 16 with female thread for connectors M 23 with male thread for connectors M 23 with female thread	 7.000.980.161 7.000.980.162 7.000.900.101 7.000.900.102
	Stainless steel protective cap for connectors with female thread Stainless steel protective cap with rope for connectors with female thread ..... Length 100 mm	 7.010.904.103 7.010.9S4.103
	Stainless steel protective cap for connectors with male thread Stainless steel protective cap with rope for connectors with male thread ..... Length 100 mm	 7.010.904.102 7.010.9S4.102
	Crimp tool for manual crimping of machined crimp contacts for signal connectors Operating instructions on page 85	 7.000.900.901
	Crimp tool for manual crimping of machined crimp contacts for signal connectors M 16 and M 23 Operating instructions on page 31	 7.000.900.904

Straight Signal Connector, Female Thread



Stainless Steel Connectors (INOX) / Assembly Instructions

Straight Connector, Male Thread