

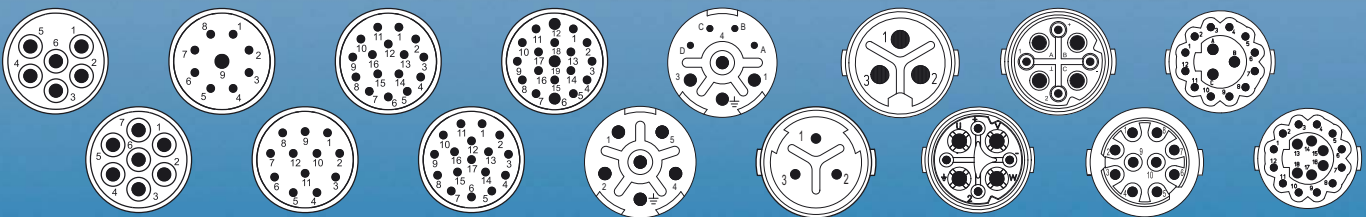
Housings

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 M 16	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 M 16

Signal Connectors M23

Power Connectors M23

page 17

page 65

page 107

Inserts and contacts see standard program

Connectors M 16

Signal Connectors M23

Power Connectors M23

page 22

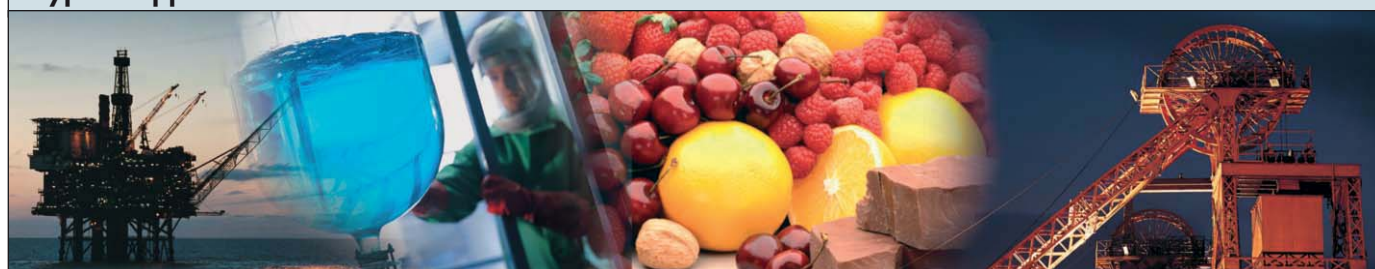
page 74

page 113

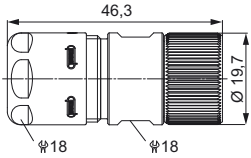


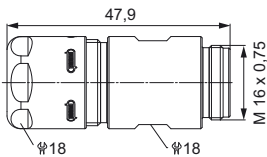
We do not recommend disconnecting or connecting HUMMEL Connectors under load.

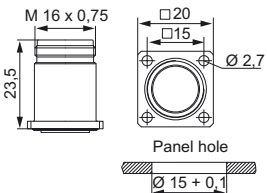
Typical Applications



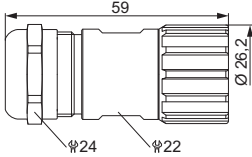
Signal Connectors M 16 / Stainless Steel (INOX)

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	

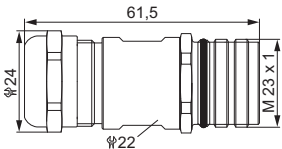
Panel Connector, Male Thread	Type	Part Number
 	4 x holes Ø 2,7 mm (.11") ..	7.840.400.000
	Flange 20 x 20 mm	
Contacts and inserts page 22 • Assembly instructions page 38		

Signal Connectors M 23 / Stainless Steel (INOX)

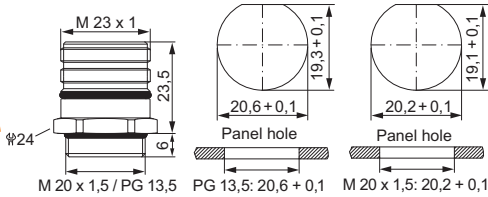
Cable-Ø	Part Number	Part Number EMC	Straight Connector, Female Thread	
3 – 7 mm (.12 – .28")	7.140.300.000	7.141.300.000		
5 – 10 mm (.20 – .39")	7.140.400.000	7.141.400.000		
7 – 12 mm (.27 – .47")	7.140.500.000	7.141.500.000		
10 – 14 mm (.39 – .55")	7.140.600.000	7.141.600.000		

Contacts and inserts page 74 • Assembly instructions page 163

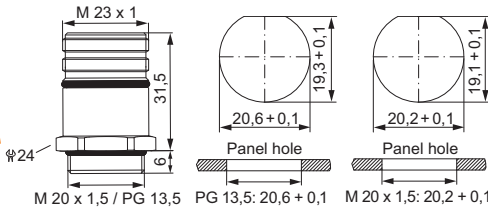
Assembly tool 7.010.900.127 is required

Cable-Ø	Part Number	Part Number EMC	Straight Connector, Male Thread	
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

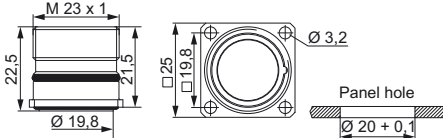
Type	Part Number	Panel Connector, Male Thread, Single Hole Mounted		
Front mounting for male inserts Thread M 20 x 1,5 7.420.400.000				
FOR MALE INSERTS ONLY				

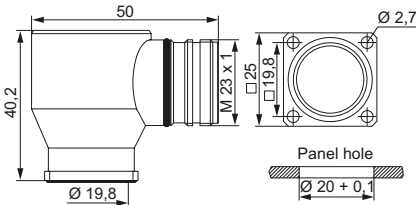
Contacts and inserts page 74 • Assembly instructions page 91

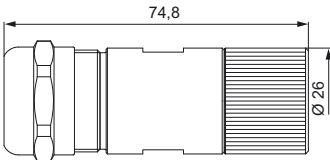
Type	Part Number	Panel Connector, Male Thread, Single Hole Mounted		
Front mounting for female inserts Thread M 20 x 1,5 7.421.400.000				
FOR FEMALE INSERTS ONLY				

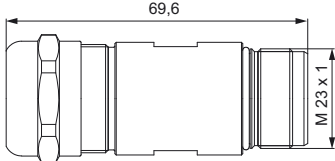
Contacts and inserts page 74 • Assembly instructions page 92

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

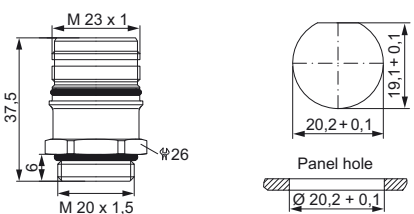
Panel Connector, Male Thread	Type	Part Number
 	With anti-vibration O-Ring 4 holes Ø 3,2 mm (.13").....7.410.400.000	
Contacts and inserts page 74 • Assembly instructions page 91 / 92		

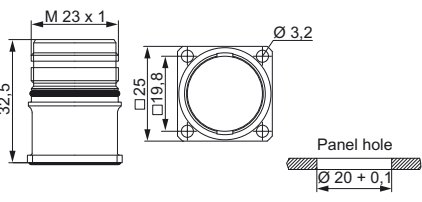
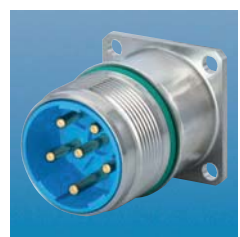
Right Angle Panel Connector, Male Thread	Type	Part Number
 	4 holes Ø 2,7 mm (.11").....7.430.400.000	
Contacts and Inserts page 74		

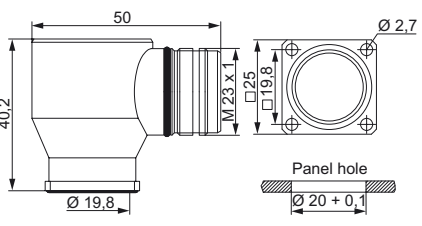
Straight Connector, Female Thread	Cable-Ø	Part Number
 	7 – 12 mm (.27 – .47").....7.554.500.000 11 – 17 mm (.43 – .67").....7.554.600.000	
Contacts and inserts page 113 • Assembly instructions page 121		

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		

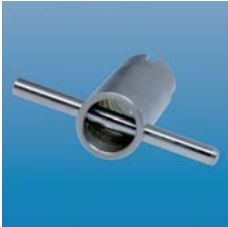
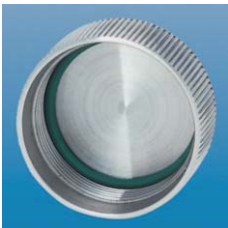
Power Connectors M 23 / Stainless Steel (INOX)

Type	Part Number	Panel Connector, Male Thread, Single Hole Mounted	
Front mounting Thread M 20 x 1,57.621.400.000			
Contacts and inserts page 113 • Assembly instructions page 126			

Type	Part Number	Panel Connector, Male Thread	
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			

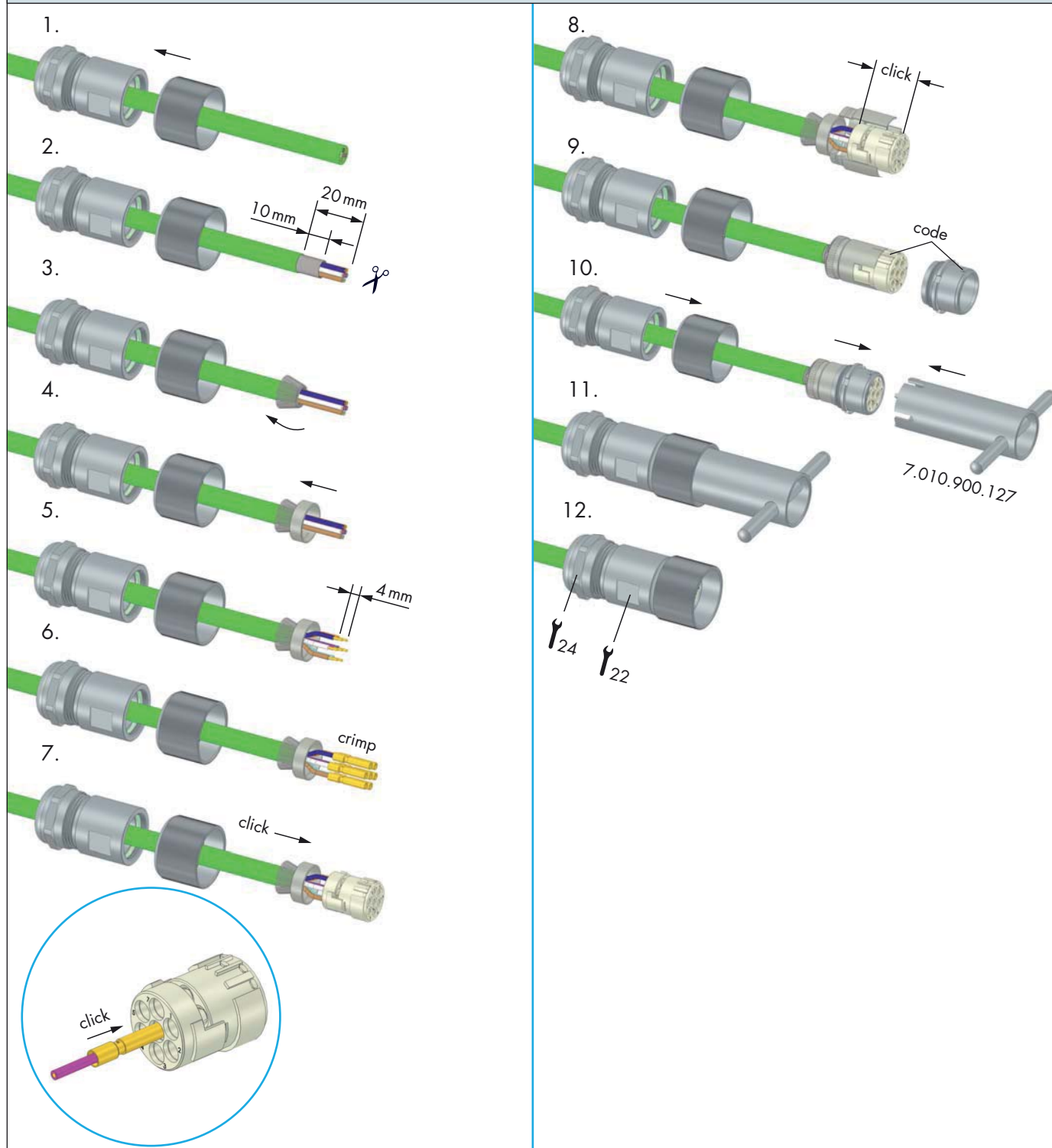
Type	Part Number	Right Angle Panel Connector, Male Thread	
4 holes Ø 2,7 mm (.11")7.630.400.000			
Contacts and Inserts page 113			

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	7.010.904.103
	Stainless steel protective cap with rope for connectors with female threadLength 100 mm	7.010.9S4.103
	Stainless steel protective cap for connectors with male thread	7.010.904.102
	Stainless steel protective cap with rope for connectors with male threadLength 100 mm	7.010.9S4.102
	Crimp tool for manual crimping of machined crimp contacts for signal connectors	7.000.900.901
	Operating instructions on page 85	
	Crimp tool for manual crimping of machined crimp contacts for signal connectors M 16 and M 23	7.000.900.904
	Operating instructions on page 31	

Stainless Steel Connectors (INOX) / Assembly Instructions

Straight Signal Connector, Female Thread



Stainless Steel Connectors (INOX) / Assembly Instructions

Straight Connector, Male Thread

