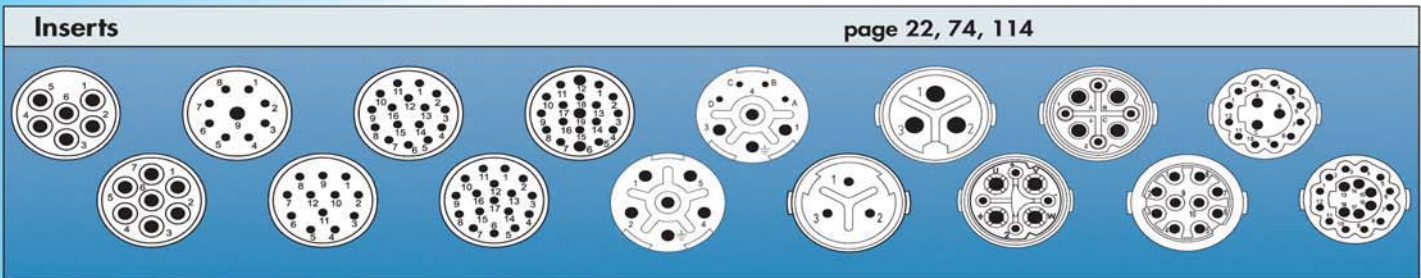


Stainless Steel Connectors (INOX)



Product Overview



Technical Data

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 60529 (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 114


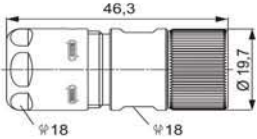

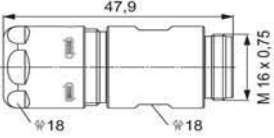

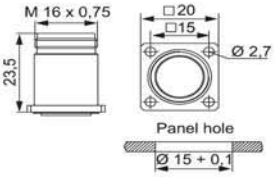


We do not recommend disconnecting or connecting HUMMEL Connectors under load.

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	Panel Connector, Male 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 168

Assembly tool 7.010.900.127 is required

Cable-Ø	Part Number	Part Number EMC	Right Angle Panel 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


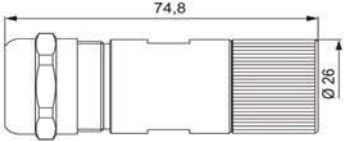
Type	Part Number	Panel Connector, Male Thread
With anti-vibration O-Ring 4 holes Ø 3,2 mm (.13")7.410.400.000		


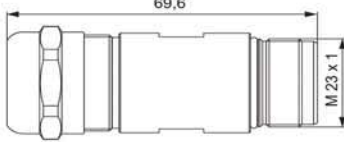
Contacts and inserts page 74 • Assembly instructions page 91 / 92


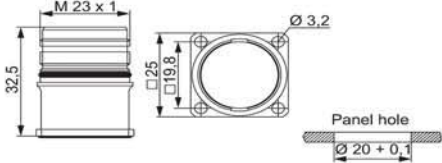
Type	Part Number	Right Angle Panel Connector, Male Thread
4 holes Ø 2,7 mm (.11")7.430.400.000		


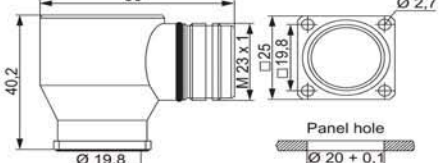
Contacts and Inserts page 74

Power Connectors M 23 / Stainless Steel (INOX)







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 114 • Assembly instructions page 122	

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 114 • Assembly instructions page 122	

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 114 • 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 114	

Stainless Steel Connectors (INOX) / Accessories

Type	Part Number	Accessories
Assembly tool	7.010.900.127	
Plastic protective cap for connectors M 16 with male thread	7.000.980.161	
for connectors M 16 with female thread	7.000.980.162	
for connectors M 23 with male thread	7.000.900.101	
for connectors M 23 with female thread	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	
Operating instructions on page 85		
Crimp tool for manual crimping of machined crimp contacts for signal connectors	7.000.900.901	
Operating instructions on page 31		
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

