

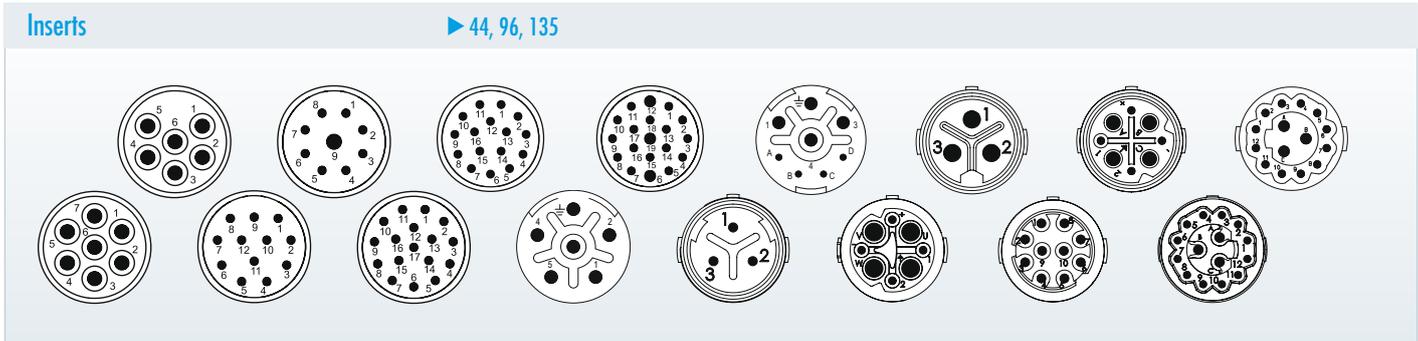
STAINLESS STEEL CONNECTORS (INOX)

Special applications require special solutions. This is important for connectors made of stainless steel, too. They are being used where the conditions of the environment are extremely rough or hygienic requirements particularly high.

- // Signal connectors M 16 INOX
- // Signal connectors M 23 INOX
- // Power connectors M 23 INOX



Product overview



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)	
Minimum mating cycles	> 1000	
Seals / O-Rings	Viton® (FPM / FKM), alternativ EPDM	
Temperature range	-40 °C – 125 °C	
Type of contacts signal M 23	Crimp, solder, dip-solder (PCB)	
Type of contacts power M 23	Crimp	
Type of contacts M 16	Crimp, dip-solder (PCB)	
Protection	IP 67 / IP 69K per EN 60 529 (connected), NEMA 4x	

Additional Information			
Electrical data see standard program		Inserts and contacts see standard program	
Connectors M 12 Power	page 21	Connectors M 12 Power	page 25
Connectors M 16	page 39	Connectors M 16	page 44
Signal Connectors M 23	page 87	Signal Connectors M 23	page 96
Power Connectors M 23	page 129	Power Connectors M 23	page 135





Housings M 16

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

▶ 44 |
 ▶ 178 |
 ▶ 57/58

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

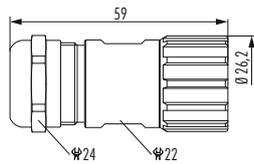
▶ 44 |
 ▶ 178 |
 ▶ 57/58

Panel Connector, Male Thread

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

▶ 44 |
 ▶ 178 |
 ▶ 60

Straight Connector, Female Thread

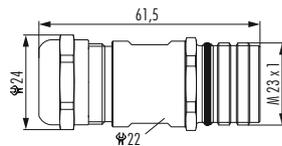


Cable-Ø	Part Number	Part Number EMC
3 – 7 mm (.12 – .28")	7.140.300.000	7.141.300.000
5 – 10 mm (.20 – .39")	7.140.400.000	7.141.400.000
7 – 12 mm (.27 – .47")	7.140.500.000	7.141.500.000
10 – 14 mm (.39 – .55")	7.140.600.000	7.141.600.000

Assembly tool 7.010.900.127 is required



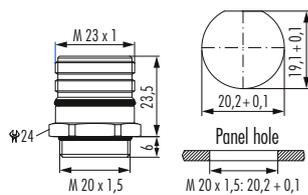
Straight Connector, Male Thread



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



Panel Connector, Male Thread, Single Hole Mounted

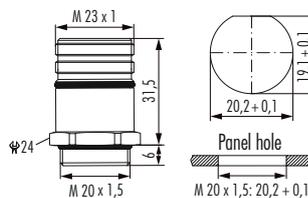


Type	Part Number
Front mounting for male inserts Thread M 20 x 1,5	7.420.400.000

*** FOR MALE *
INSERTS ONLY**



Panel Connector, Male Thread, Single Hole Mounted



Type	Part Number
Front mounting for female inserts Thread M 20 x 1,5	7.421.400.000

*** FOR FEMALE *
INSERTS ONLY**

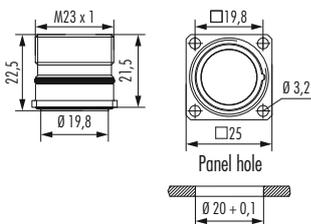


Housing without inserts and contacts



Housings M 23 Signal / Power

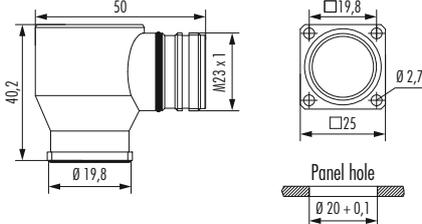
Panel Connector, Male Thread

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

▶ 96 ▶ 178 ▶ 113/114

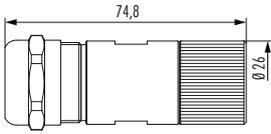
Right Angle Panel Connector, Male Thread

Type	Part Number
4 holes \varnothing 2,7 mm (.11")	7.430.400.000

▶ 96 ▶ 178

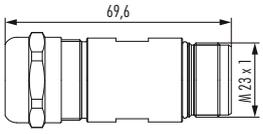
Straight Connector, Female Thread

Type	Part Number
7 – 12 mm (.27 – .47")	7.554.500.000
11 – 17 mm (.43 – .67")	7.554.600.000

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Straight Connector, Male Thread

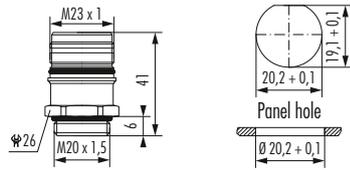
Type	Part Number
7 – 12 mm (.27 – .47")	7.564.500.000
11 – 17 mm (.43 – .67")	7.564.600.000

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Housing without inserts and contacts



Panel Connector, Male Thread, Single Hole Mounted



Type

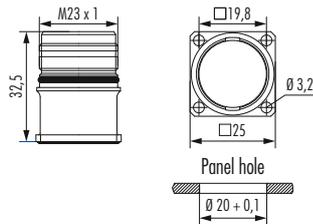
Part Number

Front mounting

Thread M 20 x 1,57.621.400.000



Panel Connector, Male Thread



Type

Part Number

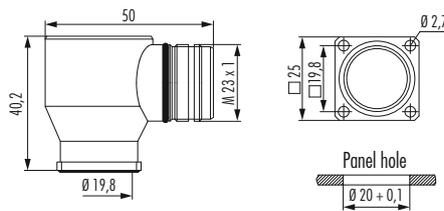
For front mounting

4 holes Ø 3,2 mm (.13")7.601.400.000

Optional: Flat gasket



Right Angle Panel Connector, Male Thread



Type

Part Number

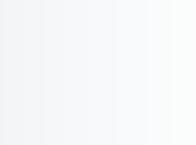
4 holes Ø 2,7 mm (.11")7.630.400.000



Housing without inserts and contacts



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 M 16 Signal for connectors with female thread..... for connectors with male thread..... with rope for connectors with female thread, Length 70 mm..... with rope for connectors with male thread, Length 70 mm.....	7.010.904.163 7.010.904.162 7.010.9S4.163 7.010.9S4.162
	Stainless steel protective cap for M 23 Signal for connectors with female thread..... with rope for connectors with female thread, Length 100 mm.....	7.010.904.103 7.010.9S4.103
	Stainless steel protective cap for M 23 Power for connectors with female thread..... with rope for connectors with female thread, Length 100 mm.....	7.010.904.183 7.010.9S4.183
	Stainless steel protective cap for connectors with male thread..... 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 and power connectors.....	7.000.900.901
	Crimp tool for manual crimping of machined crimp contacts for signal connectors M 16 and M 23.....	7.000.900.904



Straight Signal Connector, Female Thread

1. Insert the cable into the connector housing.
2. Strip the outer jacket by 10mm and the insulation by 20mm.
3. Strip the individual conductors.
4. Twist the conductors.
5. Insert the twisted conductors into the crimp sleeve.
6. Crimp the sleeve onto the conductors (4mm crimp length).
7. Push the crimped sleeve into the connector housing.
8. Push the RJ45 plug into the housing until it clicks.
9. Attach the RJ45 plug to the cable.
10. Attach the RJ45 plug to the cable.
11. Tighten the connector with a torque wrench (7.010.900.127).
12. Final assembly.

M12

M16

M23 PoE

M23 RJ45

M23 Signal

M27 Signal

M23 Power

M40 Power

INOX

Moulded Cordsets

Customized



Assembly Instructions

Straight Connector, Male Thread

