

## Stainless Steel Connectors (INOX)



## Product Overview

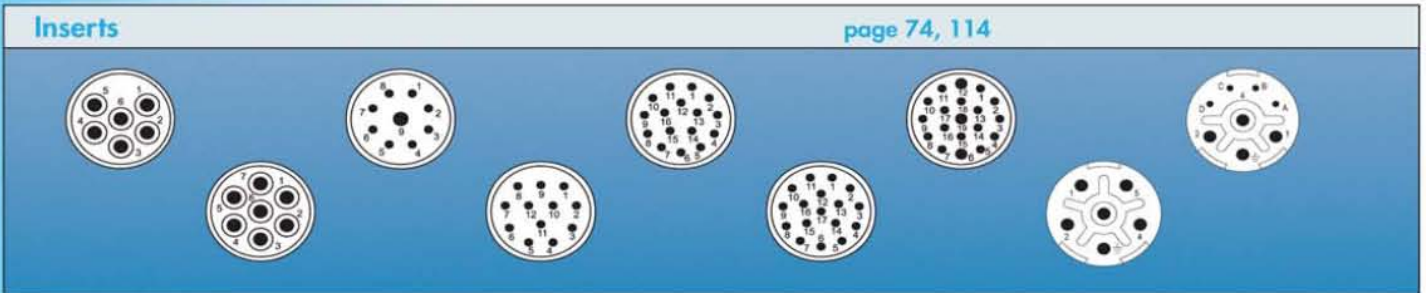
### Housings

page 162



### Inserts

page 74, 114



### Accessories

page 82, 116



**M 23 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 (-40° F - -257° F)	
Type of contacts signal M23	Crimp, solder, dip-solder (PCB)	
Type of contacts power M23	Crimp	
Protection	IP 67 / IP 69K per EN 60529 (connected), NEMA 4x	
Cable diameter range signal connectors	3 - 14 mm (.12 - .55")	
Cable diameter range power connectors	7 - 17 mm (.24 - .67")	


**Additional Information**

**Electrical data see standard program**

Signal Connectors M23 page 65  
Power Connectors M23 page 107

**Inserts and contacts see standard program**

Signal Connectors M23 page 74  
Power Connectors M23 page 114

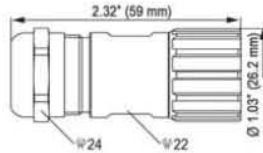
 We do not recommend disconnecting or connecting HUMMEL Connectors under load.

**Typical Applications**



## Signal Connectors / Stainless Steel (INOX)

### Straight Connector, Female Thread



#### Cable-Ø

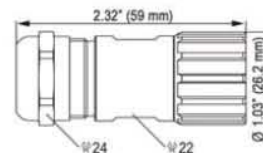
#### Part Number

3 – 7 mm (.12 – .28")	7.140.300.000
5 – 10 mm (.20 – .39")	7.140.400.000
7 – 12 mm (.24 – .47")	7.140.500.000
10 – 14 mm (.39 – .55")	7.140.600.000

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Assembly tool 7.010.900.127 is required

### Straight Connector, Female Thread, EMC



#### Cable-Ø

#### Part Number

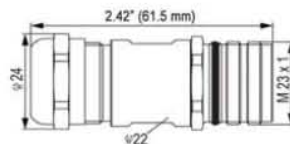
3 – 7 mm (.12 – .28")	7.141.300.000
5 – 10 mm (.20 – .39")	7.141.400.000
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10 – 14 mm (.39 – .55")	7.141.600.000

#### EMI Ready

Contacts and inserts page 74 • Assembly instructions page 166

Assembly tool 7.010.900.127 is required

### Straight Connector, Male Thread



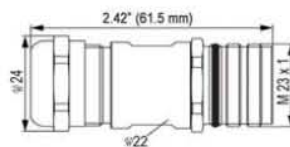
#### Cable-Ø

#### Part Number

3 – 7 mm (.12 – .28")	7.240.300.000
5 – 10 mm (.20 – .39")	7.240.400.000
7 – 12 mm (.24 – .47")	7.240.500.000
10 – 14 mm (.39 – .55")	7.240.600.000

Contacts and inserts page 74

### Straight Connector, Male Thread, EMC



#### Cable-Ø

#### Part Number

3 – 7 mm (.12 – .28")	7.241.300.000
5 – 10 mm (.20 – .39")	7.241.400.000
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#### EMI Ready


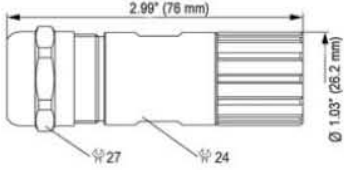
Contacts and inserts page 74


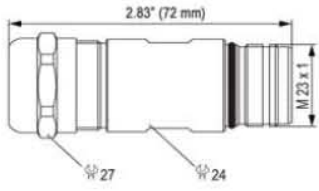
Signal Connectors / Stainless Steel (INOX)


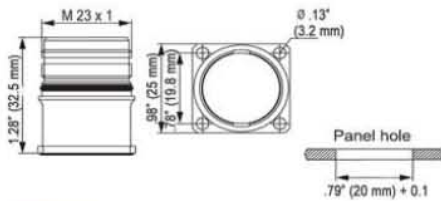
Type	Part Number	Panel Connector, Male Thread
<p><b>With anti-vibration O-Ring</b> 4 holes Ø 3,2 mm (.13") .....7.410.400.000</p>		
<p>Contacts and inserts page 74 • Assembly instructions page 91 / 92</p>		


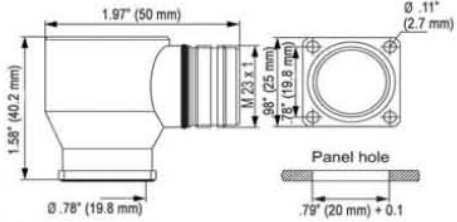
Type	Part Number	Right Angle Panel Connector, Male Thread
<p>4 holes Ø 2,7 mm (.11") .....7.430.400.000</p>		
<p>Contacts and Inserts page 74</p>		

## Power Connectors / Stainless Steel (INOX)






Straight Connector, Female Thread		Cable-Ø	Part Number
		7 - 12 mm (.24 - .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 (.24 - .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
		<b>For front mounting</b>	
		4 holes Ø 3,2 mm (.13").....7.601.400.000	
		<b>Optional:</b>	
		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	

M 23 Stainless Steel Connectors (INOX) / Accessories

Type	Part Number	Accessories
Assembly tool .....	7.010.900.127	
Plastic protective cap for connectors with male thread .....	7.000.900.101	
for connectors 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 thread .....Length 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 thread .....Length 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

## Stainless Steel Connectors (INOX) / Assembly Instructions

### Straight Signal Connector, Female Thread

