

M16/M23 STAINLESS STEEL CONNECTORS

FOR EXTREMELY ROUGH OR HYGIENIC USES

| Mechanical Data | Materials and Technical Data |
|-------------------------------------|--|
| Housing | Stainless Steel 316L |
| Housing surface | Clear |
| Inserts | Thermoplastic Polyamide 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 (Sealcon to Sealcon connector) |
| Seals / O-Rings | FKM (Green), Optional EPDM (Green) |
| Temperature range | -40°F - 257°F (-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 69K per EN 60529 (connected), NEMA 4x |

Special applications require special solutions. When extremely rough or hazardous environments are a concern, 316L Stainless Steel options are available. Offered in the same pin-out configurations as the standard connectors, stainless steel housings will exceed your demands. Available in M16, and M23 sizes. EMI ready options! Other sizes are available by special order.



Additional Information

Electrical data see standard product

| | |
|-----------------------|---------|
| M16 Connectors | page 19 |
| M23 Signal Connectors | page 37 |
| M23 Power Connectors | page 50 |

Inserts and contacts see standard product

| | |
|-----------------------|---------------|
| M16 Connectors | pages 24 - 26 |
| M23 Signal Connectors | pages 44 - 48 |
| M23 Power Connectors | page 56 |



*STAINLESS STEEL HOUSINGS DO NOT INCLUDE INSERTS AND CONTACTS. REFER TO APPLICABLE CONNECTOR SIZE AND TYPE SECTIONS FOR CONFIGURATION OPTIONS.



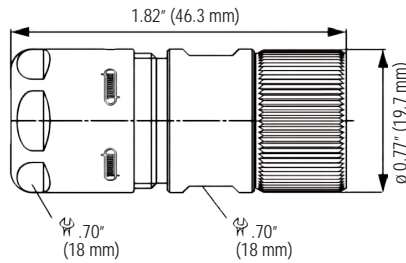
WE DO NOT RECOMMEND DISCONNECTING OR CONNECTING SEALCON CONNECTORS UNDER LOAD.

*ASSEMBLY INSTRUCTIONS CAN BE FOUND AT WWW.SEALCONUSA.COM OR BY CALLING US AT 1-800-456-9012

M16/M23 STAINLESS STEEL CONNECTORS

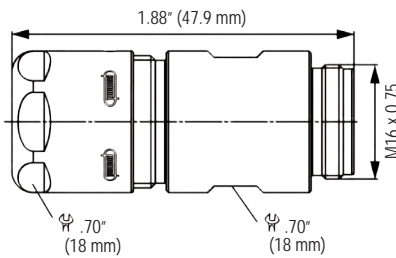
HOUSINGS

M16 Straight Connector, EMI, Female Thread



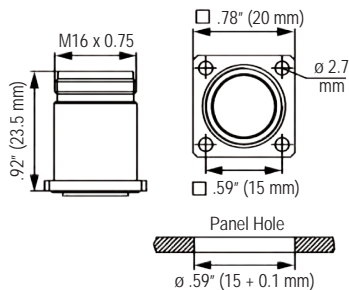
| Cable-Ø | Part Number |
|-------------------------|----------------|
| 3 - 6 mm (.12" - .24") | S7.814.300.000 |
| 5 - 9 mm (.20" - .35") | S7.814.400.000 |
| 8 - 11 mm (.31" - .43") | S7.814.500.000 |

M16 Straight Connector, EMI, Male Thread



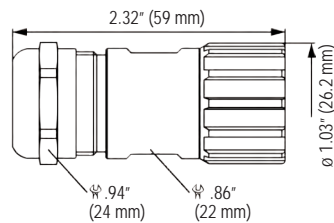
| Cable-Ø | Part Number |
|-------------------------|----------------|
| 3 - 6 mm (.12" - .24") | S7.824.300.000 |
| 5 - 9 mm (.20" - .35") | S7.824.400.000 |
| 8 - 11 mm (.31" - .43") | S7.824.500.000 |

M16 Panel Connector, Male Thread, Flange



| Type | Part Number |
|-----------------------------------|----------------|
| Front Mounting, Flange 20 x 20 mm | |
| 4 x Holes Ø 2.7 mm | S7.840.400.000 |

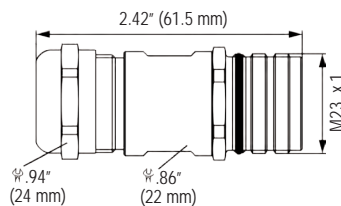
M23 Signal Straight Connector, EMI, Female Thread



| Cable-Ø | Part Number | Part Number EMI |
|-------------------------|----------------|-----------------|
| 3 - 7 mm (.12 - .28") | S7.140.300.000 | S7.141.300.000 |
| 5 - 10 mm (.20 - .39") | S7.140.400.000 | S7.141.400.000 |
| 7 - 12 mm (.27 - .47") | S7.140.500.000 | S7.141.500.000 |
| 10 - 14 mm (.39 - .55") | S7.140.600.000 | S7.141.600.000 |

ASSEMBLY TOOL S7.010.900.127 IS REQUIRED

M23 Signal Straight Connector, EMI, Male Thread



| Cable-Ø | Part Number | Part Number EMI |
|-------------------------|----------------|-----------------|
| 3 - 7 mm (.12 - .28") | S7.240.300.000 | S7.241.300.000 |
| 5 - 10 mm (.20 - .39") | S7.240.400.000 | S7.241.400.000 |
| 7 - 12 mm (.27 - .47") | S7.240.500.000 | S7.241.500.000 |
| 10 - 14 mm (.39 - .55") | S7.240.600.000 | S7.241.600.000 |



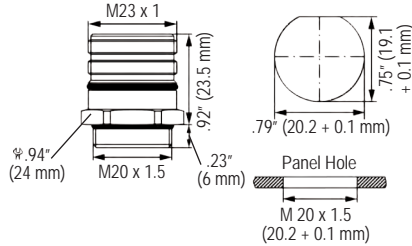
STAINLESS STEEL HOUSINGS DO NOT INCLUDE INSERTS AND CONTACTS. REFER TO APPLICABLE CONNECTOR SIZE AND TYPE SECTIONS FOR CONFIGURATION OPTIONS.

M16/M23 STAINLESS STEEL CONNECTORS

HOUSINGS

M23 Signal Panel Connector, Single Hole, Male Thread

MALE INSERTS ONLY



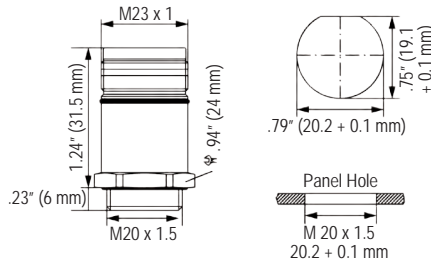
Type

Part Number

Front Mounting for Male Inserts, Single Hole
Thread M20 x 1.5..... S7.420.400.000

M23 Signal Panel Connector, Single Hole, Male Thread

FEMALE INSERTS ONLY



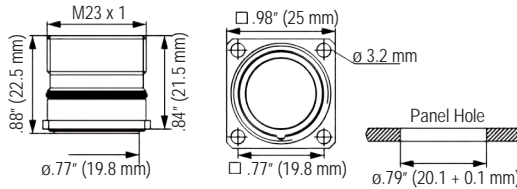
Type

Part Number

Front Mounting for Female Inserts, Single Hole
Thread M20 x 1.5..... S7.421.400.000

M23 Signal Panel Connector, Male Thread, Flange

FEMALE INSERTS ONLY

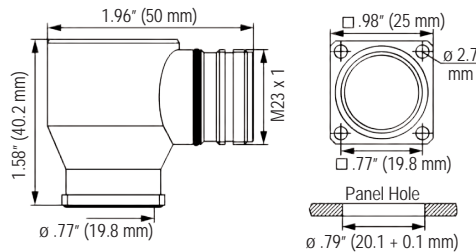


Type

Part Number

Rear Mounting, Flange 25 x 25
4 x Holes Ø 3.2 mm..... S7.410.400.000

M23 Signal Right Angle Panel Connector, Male Thread, Flange

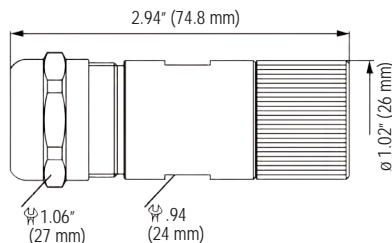


Type

Part Number

Front Mounting, Flange 25 x 25
4 x Holes Ø 2.7 mm..... S7.430.400.000

M23 Power Straight Connector, EMI, Female Thread



Type

Part Number

7 - 12 mm (.27 - .47")..... S7.554.500.000
11 - 17 mm (.43 - .67")..... S7.554.600.000



STAINLESS STEEL HOUSINGS DO NOT INCLUDE INSERTS AND CONTACTS. REFER TO APPLICABLE CONNECTOR SIZE AND TYPE SECTIONS FOR CONFIGURATION OPTIONS.

M16 / M23 Stainless Steel

M16/M23 STAINLESS STEEL CONNECTORS

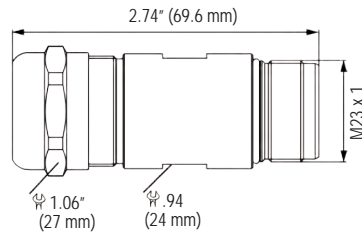
HOUSINGS

M23 Power Straight Connector, EMI, Male Thread

Type

Part Number

| | |
|------------------------------|----------------|
| 7 - 12 mm (.27 - .47")..... | S7.564.500.000 |
| 11 - 17 mm (.43 - .67")..... | S7.564.600.000 |

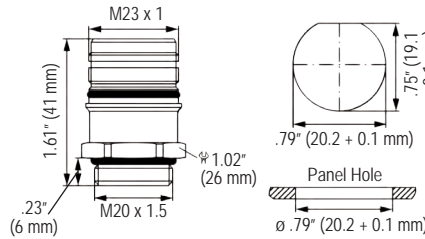


M23 Power Panel Connector, Single Hole, Male Thread

Type

Part Number

| | |
|--|----------------|
| Front Mounting, Single Hole Thread M20 x 1.5..... | S7.621.400.000 |
|--|----------------|

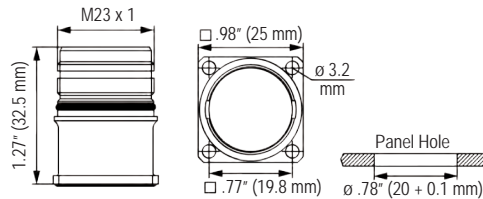


M23 Power Panel Connector, Male Thread, Flange

Type

Part Number

| | |
|--|----------------|
| Front Mounting, Flange 25 x 25 mm 4 x Holes \varnothing 3.2 mm..... | S7.601.400.000 |
|--|----------------|



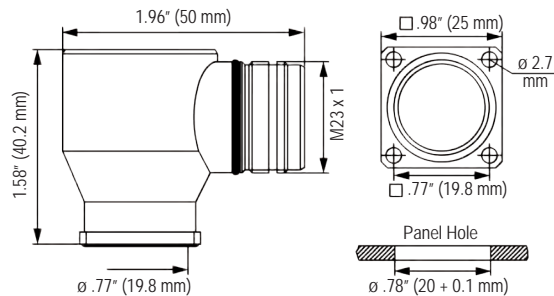
Optional: Flat gasket

M23 Power Right Angle Panel Connector, Male Thread, Flange

Type

Part Number

| | |
|--|----------------|
| Front Mounting, Flange 25 x 25 mm 4 x Holes \varnothing 2.7 mm..... | S7.630.400.000 |
|--|----------------|



STAINLESS STEEL HOUSINGS DO NOT INCLUDE INSERTS AND CONTACTS. REFER TO APPLICABLE CONNECTOR SIZE AND TYPE SECTIONS FOR CONFIGURATION OPTIONS.

M16/M23 STAINLESS STEEL CONNECTORS

ACCESSORIES

M16/M23 Stainless Steel Accessories



Plastic Protective Cap for connectors
M16 with Male thread S7.000.980.161

Plastic Protective Cap for connectors
M16 with Female thread..... S7.000.980.162

Plastic Protective Cap for connectors
M23 with Male thread..... S7.000.900.101

Plastic Protective Cap for connectors
M23 with Female thread S7.000.900.102



Stainless Steel Protective Cap for connectors
M16 with Female thread S7.010.904.163

Stainless Steel Protective Cap for connectors
M23 Signal with Female thread S7.010.904.103

Stainless Steel Protective Cap for connectors
M23 Power with Female thread S7.010.904.183



Stainless Steel Protective Cap for connectors
M16 with Male threadS7.010.904.162

Stainless Steel Protective Cap for connectors
M23 with Male thread S7.010.904.102



Crimp Tool for manual crimping of machined crimp
contacts for signal connectors
M16 and M23..... S7.000.900.904



Assembly Tool..... S7.010.900.127



Stainless Steel Protective Cap with rope for
M16 connector with Female thread
70 mm S7.010.9S4.163

Stainless Steel Protective Cap with rope for
M23 Signal connectors with Female thread
100 mm S7.010.9S4.103

Stainless Steel Protective Cap with rope for
M23 Power connectors with Female thread
100 mm S7.010.9S4.183

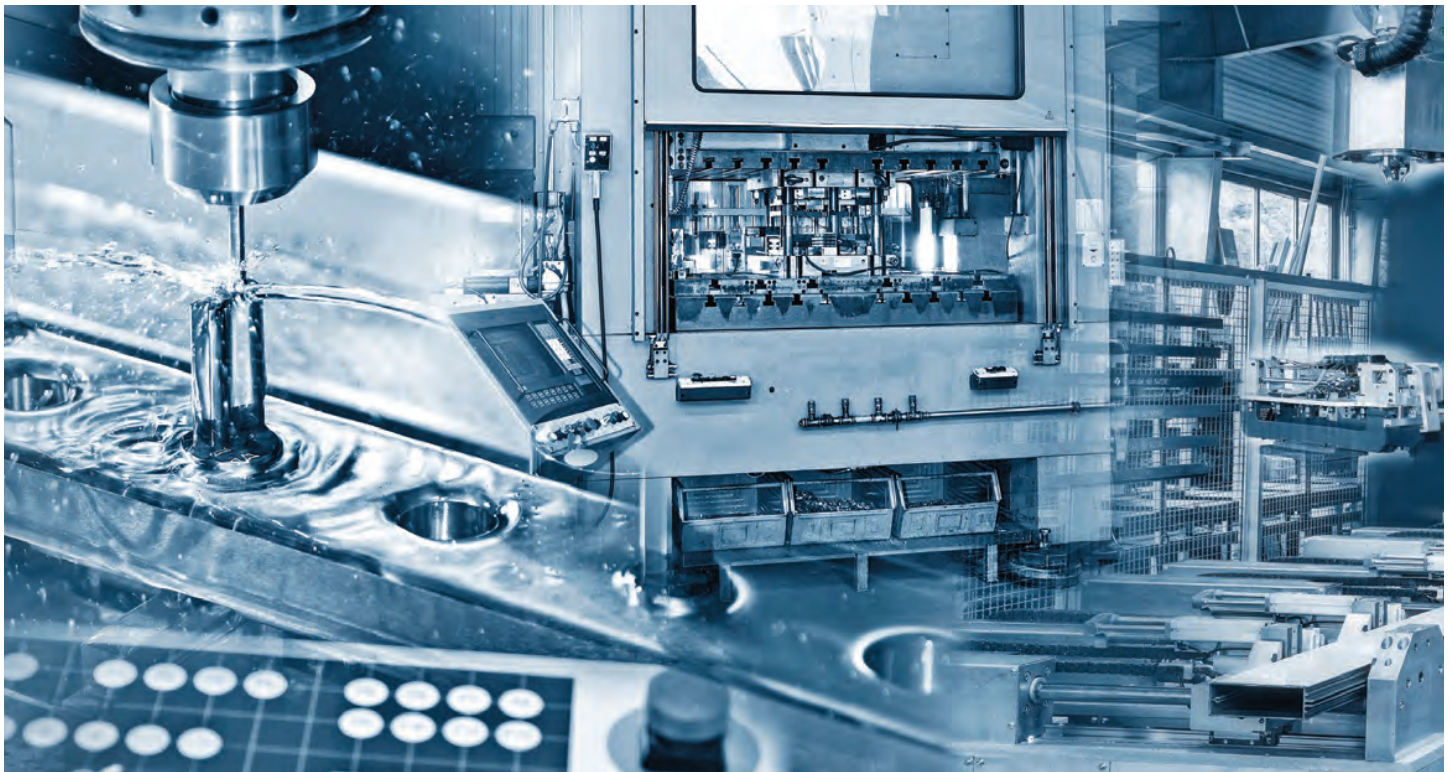


Stainless Steel Protective Cap with rope for
M16 connectors with Male thread
70mm..... S7.010.9S4.162

Stainless Steel Protective Cap with rope for
M23 connectors with Male thread
100mm S7.010.9S4.102



Crimp Tool for manual crimping of machined crimp
contacts works with contacts for power or signal
..... S7.000.900.901 / 904



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