

M23 SIGNAL CONNECTORS

DESIGNED WITH 6-19 POSITIONS

Mechanical Data	Materials and Technical Data
Housing	Copper-Zinc alloy Die Cast
Housing surface	Nickel plated Other surface upon request
Inserts (for contacts)	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	Buna-N (Black) / Optional FKM (Green)
Temperature range	-40°F - 257°F (-40°C - 125°C)
Type of contacts	Crimp, solder, dip-solder (PCB)
Protection	IP 67 / IP 69K per EN 60 529 (connected), NEMA 4x
Cable diameter range	.12 - .67" (3 - 17 mm)

The M23 Signal connector is reliable and universally accepted within the connectivity industry. With many pin-out configurations and housing styles, the M23 signal has an option for your application. Available in many locking styles including standard Threaded screw lock, Twilock and Twilock-S 1/4 turn system, which mates to SpeedTEC® by Intercontec/TE Connectivity. EMI ready options! Available in 6, 7, 9, 12, 16, 17 or 19 pole inserts with signal transmission up to 300 Volts and 20 Amps.



Components Needed For A Complete M23 Signal Connector:

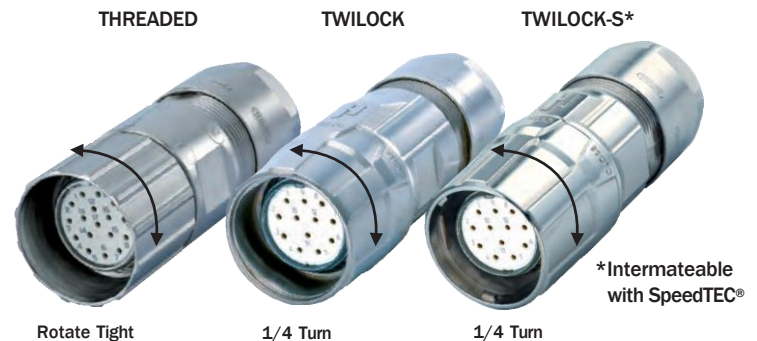
- HOUSING (pages 38 - 43)
- INSERT (pages 44 - 47)
- CONTACTS (if crimp contact insert is selected) (page 48)

Electrical Data

Number of positions	6	7	9 (8 + 1)	12	16	17	19 (16 + 3)
Number of contacts	6	7	8 1	12	16	17	16 3
Contact-Ø [mm]	2	2	1 2	1	1	1	1 1.5
Nominal current [A]	20	20	8 20	8	8	8	8 10
Nominal voltage [V~] degree of protection 3	300	300	200	200	160	160	100
Test voltage (Breakdown voltage) [V~]	2500	2500	2500	2500	1500	1500	1500
Insulation resistance [MΩ]	> 10 ¹⁰	> 10 ¹⁰	> 10 ¹⁰	> 10 ¹⁰	> 10 ⁶	> 10 ⁶	> 10 ⁶
Max. contact resistance [mΩ]	3	3	3	3	3	3	3



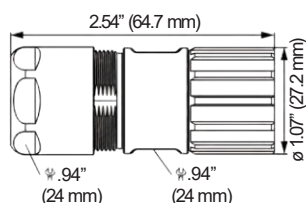
CONNECTION SYSTEM TYPES



M23 SIGNAL CONNECTORS

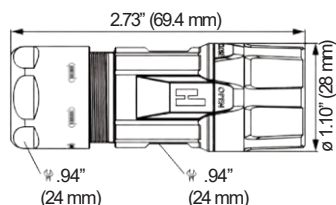
HOUSINGS

M23 Signal Straight Connector, EMI, Female Thread



Cable-Ø	Part Number
3 - 7 mm (.12 - .28")	S7.106.400.000
7 - 12 mm (.28 - .47")	S7.106.500.000
11 - 17 mm (.44 - .67")	S7.106.600.000

M23 Signal Straight Connector, EMI, Female Thread Standard Threaded and TWILOCK/TWILOCK-S*- Quick Connect

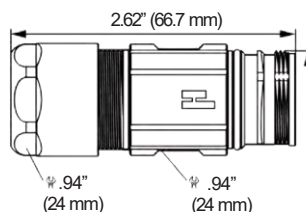


Cable-Ø	Part Number
3 - 7 mm (.12 - .28")	S7.166.400.000
7 - 12 mm (.24 - .47")	S7.166.500.000
11 - 17 mm (.43 - .67")	S7.166.600.000

*Intermateable with SpeedTEC® (Twilock-S)

3 - 7 mm (.12 - .28")	S7.166.400.00S
7 - 12 mm (.24 - .47")	S7.166.500.00S
11 - 17 mm (.43 - .67")	S7.166.600.00S

M23 Signal Straight Connector, EMI, Male Thread Standard Threaded and TWILOCK/TWILOCK-S*- Quick Connect

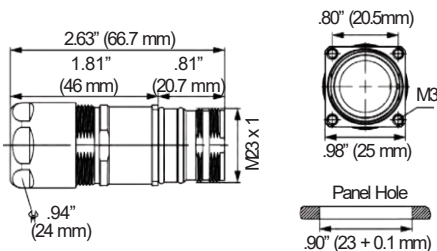


Cable-Ø	Part Number
3 - 7 mm (.12 - .28")	S7.206.400.000
7 - 12 mm (.28 - .47")	S7.206.500.000
11 - 17 mm (.44 - .67")	S7.206.600.000

*Intermateable with SpeedTEC® (Twilock-S)

3 - 7 mm (.12 - .28")	S7.266.400.00S
7 - 12 mm (.24 - .47")	S7.266.500.00S
11 - 17 mm (.43 - .67")	S7.266.600.00S

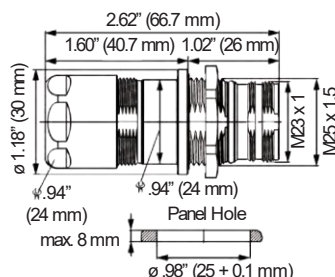
M23 Signal Panel Connector with Strain Relief, EMI, Male Thread



Cable-Ø	Part Number
Rear Mounting, 4 x Threaded M3, Flange 25 x 25 mm	
3 - 7 mm (.12 - .28")	S7.476.400.000
7 - 12 mm (.28 - .47")	S7.476.500.000
11 - 17 mm (.44 - .67")	S7.476.600.000

Optional: Flat gasket....STAD2-7S2510

M23 Signal Panel Connector with Strain Relief, EMI, Male Thread Standard Threaded and TWILOCK/TWILOCK-S*- Quick Connect



Cable-Ø	Part Number
Rear Mounting, M25 x 1.5, Single Hole	
3 - 7 mm (.12 - .28")	S7.486.400.000
7 - 12 mm (.28 - .47")	S7.486.500.000
11 - 17 mm (.44 - .67")	S7.486.600.000

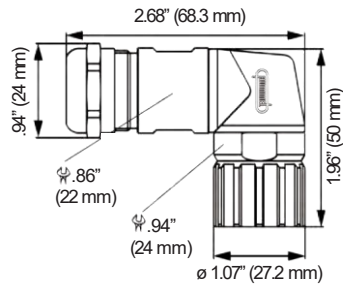
*Intermateable with SpeedTEC® (Twilock-S)

3 - 7 mm (.12 - .28")	S7.486.400.00S
7 - 12 mm (.24 - .47")	S7.486.500.00S
11 - 17 mm (.43 - .67")	S7.486.600.00S

MATES WITH TWILOCK SYSTEM

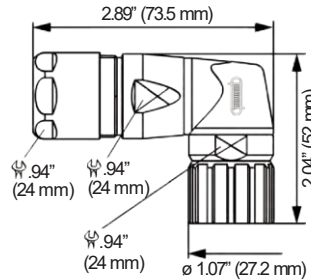
DOES NOT MATE WITH TWILOCK SYSTEM

M23 Signal Right Angle Connector, Female Thread, Positioning



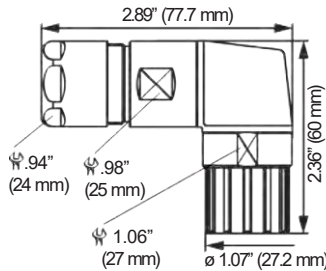
Cable-Ø	Part Number
3 - 7 mm (.12 - .28")	S7.300.300.000
5 - 10 mm (.20 - .39")	S7.300.400.000
7 - 12 mm (.28 - .47")	S7.300.500.000
10 - 14 mm (.39 - .55")	S7.300.600.000

M23 Signal Right Angle Connector, Female Thread, EMI, Positioning



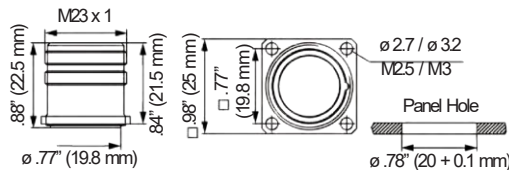
Cable-Ø	Part Number
7 - 12 mm (.28 - .47")	S7.301.500.000
10 - 14 mm (.39 - .55")	S7.301.600.000

M23 Signal Right Angle Connector, EMI, Rotatable



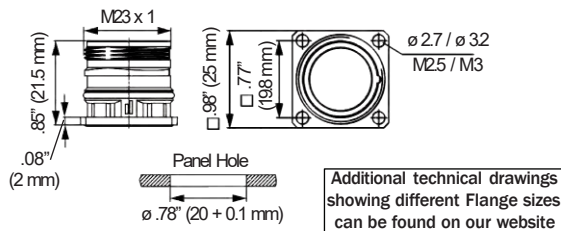
Cable-Ø	Part Number
7 - 12 mm (.28 - .47")	S7.306.500.000
11 - 17 mm (.43 - .67")	S7.306.600.000

M23 Signal Panel Connector, Male Thread, Flange



Type	Part Number
Front Mounting, Flange 25 x 25 mm	
4 x Holes Ø 3.2 mm.....	S7.400.000.000
4 x Threaded M3.....	S7.402.000.000
Optional: Flat gasket....STAD2-7P2510	
4 x Holes Ø 2.7 mm.....	S7.404.000.000
4 x Threaded M2.5	S7.406.000.000
Optional: Flat Gasket....STAD1-7P2510	

M23 Signal Panel Connector, Male Thread, Flange Standard Threaded and TWILOCK/TWILOCK-S*- Quick Connect



Type	Part Number
Front Mounting, Flange 25 x 25 mm	
4 x Holes Ø 3.2 mm.....	S7.410.000.000
4 x Threaded M3.....	S7.412.000.000
Optional: Flat Gasket....STAD2-7P2510	
4 x Holes Ø 2.7 mm.....	S7.414.000.000
4 x Threaded M2.5.....	S7.416.000.000
Optional: Flat Gasket....STAD1-7P2510	

*Intermateable with SpeedTEC® (Twilock-S)
 4 x Holes 3.2 mm, Flange 25 x 25 mm... S7.410.000.00S
 Optional: Flat Gasket....STAD2-7P2510
 4 x Holes 3.2 mm, Flange 28 x 28 mm... S7.410.100.00S

MATES WITH TWILOCK SYSTEM

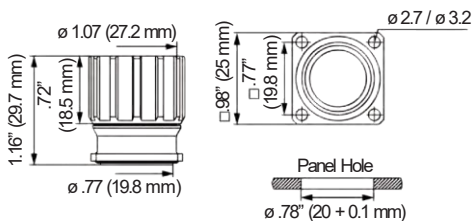
DOES NOT MATE WITH TWILOCK SYSTEM

Additional technical drawings showing different Flange sizes can be found on our website

M23 SIGNAL CONNECTORS

HOUSINGS

M23 Signal Panel Connector, Female Thread, w/ Knurled Nut, Flange

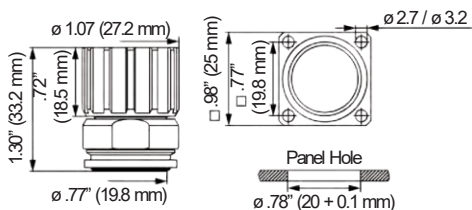


Type	Part Number
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Front Mounting, without Coding Option, Flange 25 x 25 mm
 4 x Holes Ø 3.2 mm.....S7.440.000.000
 Optional: Flat gasket....STAD2-7P2510
 4 x Holes Ø 2.7 mm.....S7.444.000.000

Optional: Flat Gasket....STAD1-7P2510

M23 Signal Panel Connector, Female Thread, Knurled Nut, Positionable



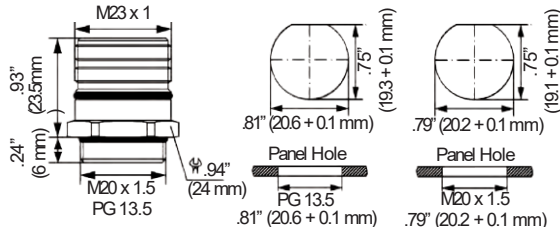
Type	Part Number
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Front Mounting, with Coding Option (8 x 45°), Flange 25 x 25 mm
 4 x Holes Ø 3.2 mm..... S7.448.000.000
 Optional: Flat gasket....STAD2-7P2510
 4 x Holes Ø 2.7 mm..... S7.449.000.000

Optional: Flat gasket....STAD1-7P2510

M23 Signal Panel Connector, Single Hole, Male Thread

HOUSING FOR MALE INSERTS ONLY



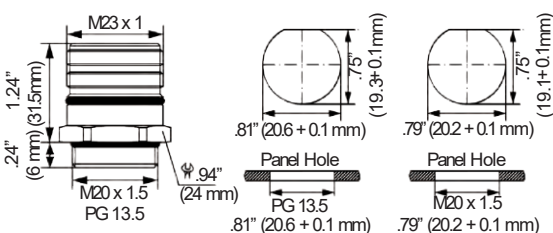
Type	Part Number
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Front Mounting for Male Inserts, Single Hole
 Thread M20 x 1.5..... S7.420.000.000
 Thread PG 13.5 S7.422.000.000

Optional: Hex Locking Nut M20 x 1.5 / PG 13.5

M23 Signal Panel Connector, Single Hole, Male Thread

HOUSING FOR FEMALE INSERTS ONLY

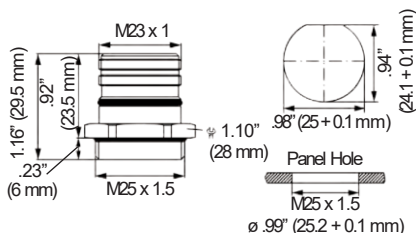


Type	Part Number
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Front Mounting for Female Inserts, Single Hole
 Thread M20 x 1.5..... S7.421.000.000
 Thread PG 13.5 S7.423.000.000

Optional: Hex Locking Nut M20 x 1.5 / PG 13.5

M23 Signal Panel Connector, Single Hole, Male Thread



Type	Part Number
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Front Mounting, Single Hole for Insert with Pins / Sockets
 Thread M25 x 1.5..... S7.425.000.000


Optional: Hex Locking Nut M25 x 1.5

MATES WITH TWILOCK SYSTEM

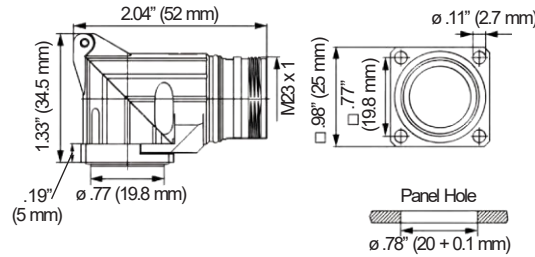
DOES NOT MATE WITH TWILOCK SYSTEM

M23 Signal Right Angle Panel Connector, Male Thread, Fixed Flange

Type Part Number


Fixed Mounting, Flange 25 x 25 mm
 4 x Holes Ø 2.7 mm.....  S7.435.000.000
 Optional: Flat gasket....STAD1-7P2510

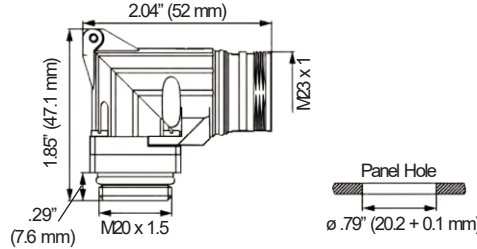
Easy Fastening with:
 M2.5 x 10 mm Screws



M23 Signal Right Angle Panel Connector, Male Thread, Rotatable 335°

Type Part Number


335° Rotatable, Hole Mounted
 Thread M20 x 1.5.....  S7.431.000.000



M23 Right Angle Panel Connector, Male Thread, Rotatable 330° Standard Threaded and TWILOCK/TWILOCK-S*- Quick Connect

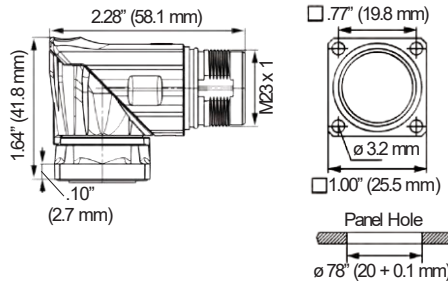
Type Part Number

330° Rotatable, Flange 25 x 25 mm
 4 x Holes Ø 3.2 mm.....  S7.439.000.000
 Optional: Flat gasket....STAD1-7P2510

*Intermable with SpeedTEC® (Twilock-S)
 4 x Holes Ø 3.2 mm.....  S7.439.000.00S
 Optional: Flat gasket....STAD1-7P2510



1.5 mm Locking Screw at Flange



M23 Right Angle Panel Connector, Male Thread, Rotatable 330° Standard Threaded and TWILOCK/TWILOCK-S*- Quick Connect

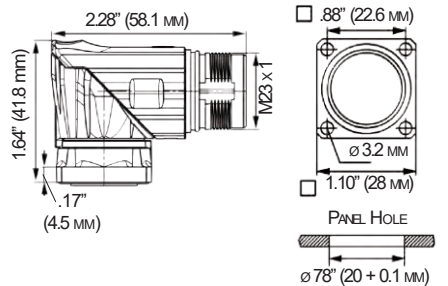
Type Part Number

330° Rotatable, Flange 28 x 28 mm
 4 x Holes Ø 3.2 mm.....  S7.439.100.000

*Intermable with SpeedTEC® (Twilock-S)
 4 x Holes Ø 3.2 mm.....  S7.439.100.00S




1.5 mm Locking Screw at Flange



M23 Right Angle Panel Connector, Male Thread, Rotatable 300°

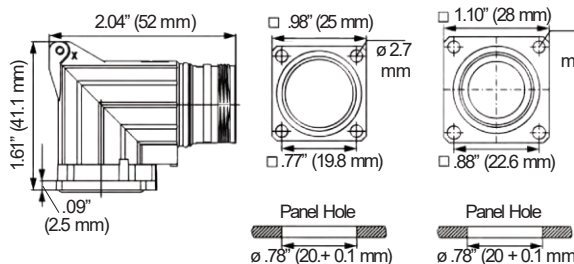
Type Part Number

300° Rotatable, 4 x Holes Ø 2.7 mm, Flange
 25 x 25 mm.....  S7.433.000.000
 Optional: Flat gasket....STAD1-7P2510

300° Rotatable, 4 x Holes Ø 3.2 mm, Flange
 28 x 28 mm.....  S7.433.100.000



1.5 mm Locking Screw at Flange

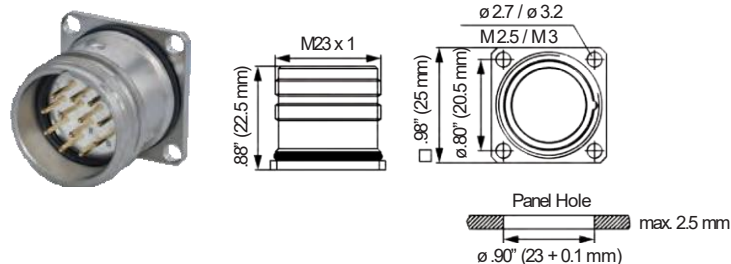


 MATES WITH TWILOCK SYSTEM  DOES NOT MATE WITH TWILOCK SYSTEM

M23 SIGNAL CONNECTORS

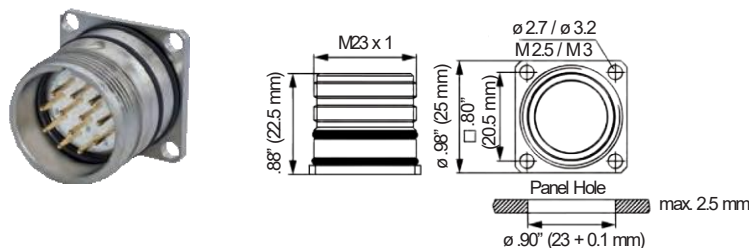
HOUSINGS

M23 Signal Panel Connector, Male Thread, Flange



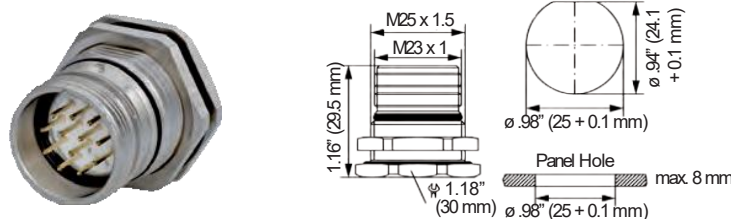
Type	Part Number
Rear Mounting, Flange 25 x 25 mm	
4 x Holes Ø 3.2 mm.....	☒ S7.450.000.000
4 x Threaded M3.....	☒ S7.452.000.000
Optional: Flat gasket....STAD4-7P2510	
4 x Holes Ø 2.7 mm.....	☒ S7.454.000.000
4x Threaded M2.5	☒ S7.456.000.000
Optional: Flat gasket....STAD3-7P2510	

M23 Signal Panel Connector, Male Thread, Flange Standard Threaded and TWILOCK/TWILOCK-S*- Quick Connect



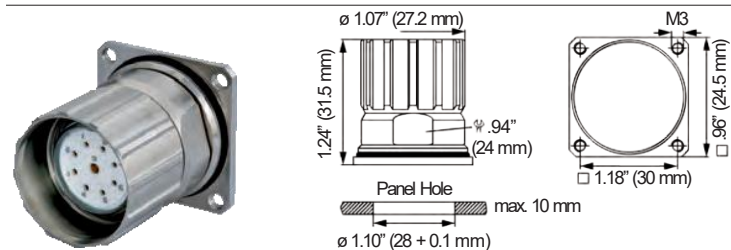
Type	Part Number
Rear Mounting, Flange 25 x 25 mm	
4 x Holes Ø 3.2 mm.....	☒ S7.460.000.000
4 x Threaded M3.....	☒ S7.462.000.000
Optional: Flat gasket....STAD4-7P2510	
4 x Holes Ø 2.7 mm.....	☒ S7.464.000.000
4 x Threaded M2.5	☒ S7.466.000.000
Optional: Flat gasket....STAD3-7P2510	
*Intermateable with SpeedTEC® (Twilock-S)	
4 x Threaded M3.....	☒ S7.462.000.00S
Optional: Flat gasket....STAD4-7P2510	

M23 Signal Panel Connector, Male Thread, Single Hole Standard Threaded and TWILOCK/TWILOCK-S*- Quick Connect



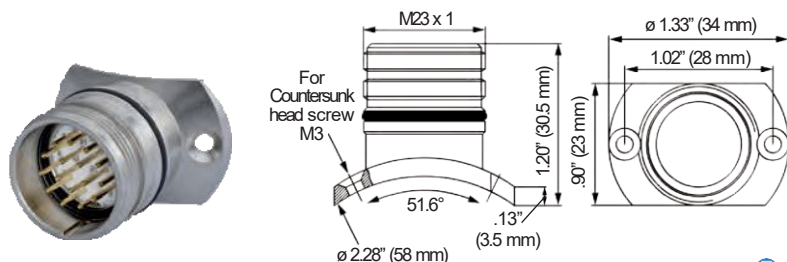
Type	Part Number
Single Hole, Rear Mounting	
Thread M25 x 1.5.....	☒ S7.458.000.000
*Intermateable with SpeedTEC® (Twilock-S)	
Thread M25 x 1.5.....	☒ S7.458.000.00S
Including Hex Locking Nut M25 x 1.5	

M23 Signal Panel Connector, Female Thread, Flange



Type	Part Number
Rear Mounting with Knurled Nut, Flange 24.5 x 24.5 mm	
4 x Threaded M3.....	S7.459.000.000

M23 Signal Panel Connector with Radius Flange (51.6°), Male Thread



Type	Part Number
51.6° Radius Flange, 2 x Threaded M3, Front Mounting	
Flat Body Gasket	
Ø 58 mm (2.28")	☒ S7.490.000.000

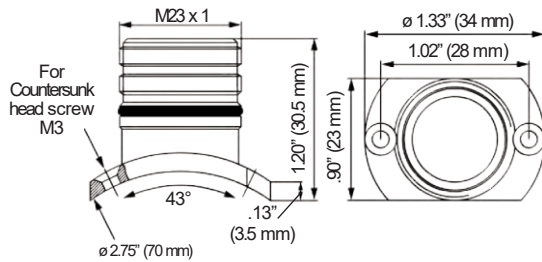
☒ MATES WITH TWILOCK SYSTEM ☒ DOES NOT MATE WITH TWILOCK SYSTEM

M23 Signal Panel Connector with Radius Flange (43°), Male Thread

Type Part Number

43° Radius Flange, 2 x Threaded M3, Front Mounting
 Flat Body Gasket
 Ø 70 mm (2.76")

S7.491.000.000

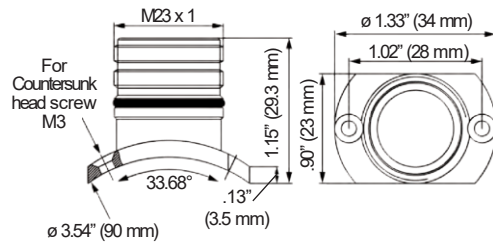


M23 Signal Panel Connector with Radius Flange (33.68°), Male Thread

Type Part Number

33.68° Radius Flange, 2 x Threaded M3, Front Mounting
 Flat Body Gasket
 Ø 90 mm (3.54")

S7.492.000.000



M23 Signal Accessories

Plastic Protective Cap for connectors
 with Male thread..... S7.000.900.101
 with Female thread S7.000.900.102

Brass Protective Cap for connectors
 with Female thread S7.010.900.103

Brass Protective Cap for connectors
 with Male thread S7.010.900.102

Tool Adapter for tightening or loosening knurled
 nuts for M23 S7.010.900.192

Adapter Flange
 for Straight Connectors..... S7.010.900.128

Conduit Adapter
 Nylon Conduit DN 12..... S7.010.900.205
 Nylon Conduit DN 14..... S7.010.900.207
 Nylon Conduit DN 17..... S7.010.900.209

Assembly Tool S7.010.900.101

Bus End Connector S7.105.000.000

Brass Protective Cap with chain for connectors
 with Female thread
 Length 70 mm..... S7.010.9S0.703
 Length 100 mm..... S7.010.9S1.003

Brass Protective Cap with chain for connectors
 with Male thread
 Length 70 mm..... S7.010.9S0.702
 Length 100 mm..... S7.010.9S1.002

Screw Tool, adjustable 0.5 - 1.7 Nm
 S7.010.900.190

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

Positioner for Crimp Tool
 DMC M22520 S7.000.900.DMC

Locator for Crimp Tool DMC M22520 with positioner
 S7.000.9DM.C03
 For Sealcon Contact:
 S7.010.901.001, S7.010.901.501, S7.010.902.001,
 S7.010.901.031

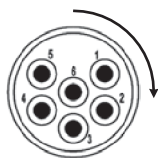
Locator for Crimp Tool DMC M22520 with positioner
 S7.000.9DM.C04
 For Sealcon Contact:
 S7.010.901.012, S7.010.901.002, S7.010.901.512,
 S7.010.901.502, S7.010.902.002

MATES WITH TWILOCK SYSTEM DOES NOT MATE WITH TWILOCK SYSTEM

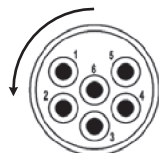
M23 SIGNAL CONNECTORS

INSERTS

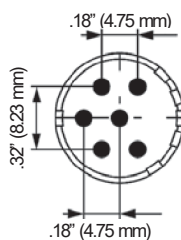
Inserts 6-pole



Insert Pin Mating View
(clockwise orientation)

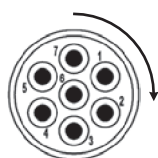


Insert Socket Mating View
(counterclockwise orientation)

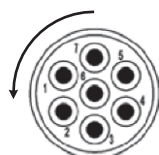


Type	Part Number	Part Number
Pinout clockwise	Pins	Sockets
Insert with solder contacts	S7.001.906.103.....	S7.001.906.104
Insert without contacts.....	S7.003.906.101.....	S7.003.906.102
Insert with dip solder contacts		
Length 3.5 mm.....	S7.001.906.107	
Insert with dip solder contacts		
Length 10 mm.....	S7.001.906.127.....	S7.001.906.108
Insert with dip solder contacts		
Length 17 mm.....	S7.001.906.137.....	S7.001.906.118
THE CORRECT DIMENSION OF A CONNECTOR WITH DIP SOLDER CONTACTS DEPENDS ON THE PARTICULAR TYPE OF HOUSING.		
CODING POSSIBILITIES N, S, H, X, Y AND Z		

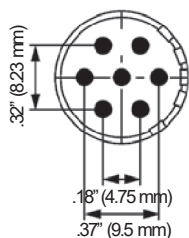
Inserts 7-pole



Insert Pin Mating View
(clockwise orientation)

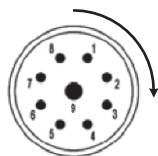


Insert Socket Mating View
(counterclockwise orientation)

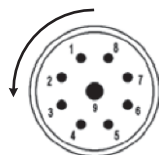


Type	Part Number	Part Number
Pinout clockwise	Pins	Sockets
Insert with solder contacts	S7.001.907.103.....	S7.001.907.104
Insert without contacts.....	S7.003.907.101.....	S7.003.907.102
Insert with dip solder contacts		
Length 3.5 mm.....	S7.001.907.107	
Insert with dip solder contacts		
Length 10 mm.....	S7.001.907.127.....	S7.001.907.108
Insert with dip solder contacts		
Length 17 mm.....	S7.001.907.137.....	S7.001.907.118
THE CORRECT DIMENSION OF A CONNECTOR WITH DIP SOLDER CONTACTS DEPENDS ON THE PARTICULAR TYPE OF HOUSING.		
CODING POSSIBILITIES N, S, H, X AND Y		

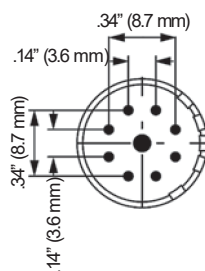
Inserts 9-pole (8 + 1)



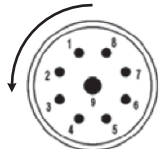
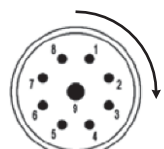
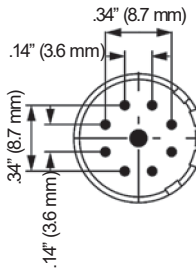
Insert Pin Mating View
(clockwise orientation)

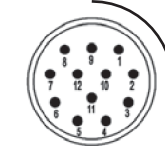
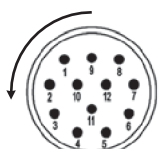
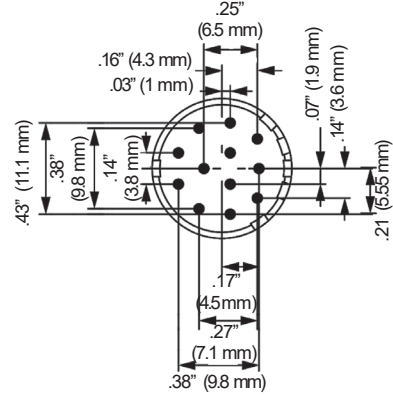


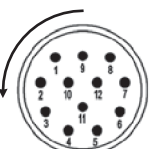
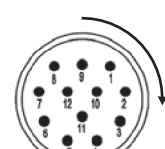
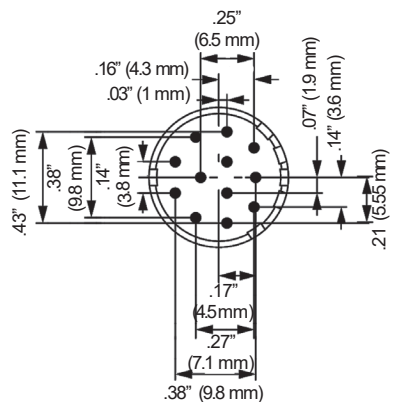
Insert Socket Mating View
(counterclockwise orientation)



Type	Part Number	Part Number
Pinout clockwise	Pins	Sockets
Insert with solder contacts	S7.001.981.103.....	S7.001.981.104
Insert without contacts.....	S7.003.981.101.....	S7.003.981.102
Insert with dip solder contacts		
Length 3.5 mm.....	S7.001.981.107	
Insert with dip solder contacts		
Length 10 mm.....	S7.001.981.127.....	S7.001.981.108
Insert with dip solder contacts		
Length 17 mm.....	S7.001.981.137.....	S7.001.981.118
THE CORRECT DIMENSION OF A CONNECTOR WITH DIP SOLDER CONTACTS DEPENDS ON THE PARTICULAR TYPE OF HOUSING.		
CODING POSSIBILITIES N, S, H, X AND Y		

Inserts 9-pole (8 + 1)	Type	Part Number	Part Number
 <p>Insert Pin Mating View (counterclockwise orientation)</p>	Pinout counterclockwise	Pins	Sockets
	Insert with solder contacts	.....S7.002.981.103.....	S7.002.981.104
 <p>Insert Socket Mating View (clockwise orientation)</p>	Insert without contacts	.....S7.004.981.101.....	S7.004.981.102
		Insert with dip solder contacts	Length 3.5 mm.....	S7.002.981.107
	Insert with dip solder contacts	Length 10 mm.....	S7.002.981.127..... S7.002.981.108
	Insert with dip solder contacts	Length 17 mm.....	S7.002.981.13..... S7.002.981.118
<p>CODING POSSIBILITIES N, S, H, X, AND Y</p> <p>THE CORRECT DIMENSION OF A CONNECTOR WITH DIP SOLDER CONTACTS DEPENDS ON THE PARTICULAR TYPE OF HOUSING.</p>			

Inserts 12-pole	Type	Part Number	Part Number
 <p>Insert Pin Mating View (clockwise orientation)</p>	Pinout clockwise	Pins	Sockets
	Insert with solder contacts	.....S7.001.912.103.....	S7.001.912.104
 <p>Insert Socket Mating View (counterclockwise orientation)</p>	Insert without contacts	.....S7.003.912.101.....	S7.003.912.102
		Insert without contacts +PE (Pos.9)S7.003.912.111.....	S7.003.912.112
	Insert with dip solder contacts	Length 3.5 mm.....	S7.001.912.107
	Insert with dip solder contacts	Length 10 mm.....	S7.001.912.127..... S7.001.912.108
	Insert with dip solder contacts	Length 17 mm.....	S7.001.912.137..... S7.001.912.118
<p>CODING POSSIBILITIES N, S, H, X, Y AND Z</p> <p>THE CORRECT DIMENSION OF A CONNECTOR WITH DIP SOLDER CONTACTS DEPENDS ON THE PARTICULAR TYPE OF HOUSING.</p>			

Inserts 12-pole	Type	Part Number	Part Number
 <p>Insert Pin Mating View (counterclockwise orientation)</p>	Pinout counterclockwise	Pins	Sockets
	Insert with solder contacts	.....S7.002.912.103.....	S7.002.912.104
 <p>Insert Socket Mating View (clockwise orientation)</p>	Insert with solder contacts +PE (Pos.9)	.....S7.002.912.113.....	S7.002.912.114
		Insert without contactsS7.004.912.101.....	S7.004.912.102
	Insert without contacts +PE (Pos.9)	.....S7.004.912.111.....	S7.004.912.112
	Insert with dip solder contacts	Length 3.5 mm.....	S7.002.912.107
	Insert with dip solder contacts	Length 10 mm.....	S7.002.912.127..... S7.002.912.108
	Insert with dip solder contacts	Length 17 mm.....	S7.002.912.137..... S7.002.912.118
<p>CODING POSSIBILITIES N, S, H, X, Y AND Z</p> <p>THE CORRECT DIMENSION OF A CONNECTOR WITH DIP SOLDER CONTACTS DEPENDS ON THE PARTICULAR TYPE OF HOUSING.</p>			

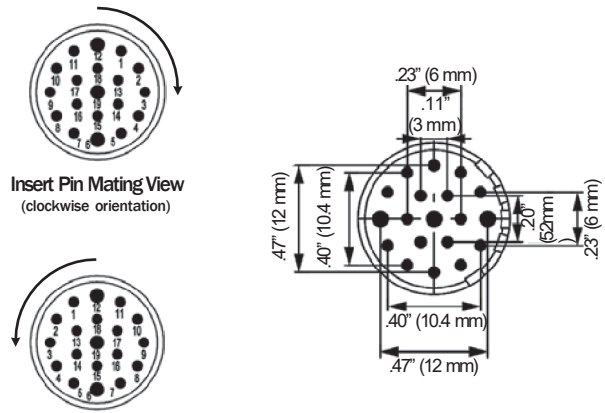
M23 SIGNAL CONNECTORS

INSERTS

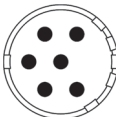
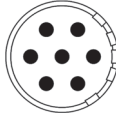
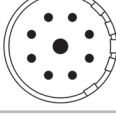
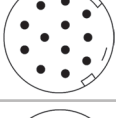
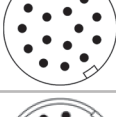
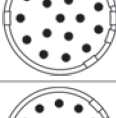
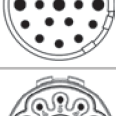

Inserts 16-pole	Type	Part Number	Part Number
<p>Insert Pin Mating View (clockwise orientation)</p> <p>Insert Socket Mating View (counterclockwise orientation)</p>	Pinout clockwise	Pins	Sockets
	Insert with solder contacts	S7.001.916.103.....	S7.001.916.104
	Insert without contacts.....	S7.003.916.101.....	S7.003.916.102
	Insert with dip solder contacts		
	Length 3.5 mm.....	S7.001.916.107	
	Insert with dip solder contacts		
	Length 10 mm.....	S7.001.916.127.....	S7.001.916.108
	Insert with dip solder contacts		
	Length 17 mm.....	S7.001.916.137.....	S7.001.916.118
	<p>THE CORRECT DIMENSION OF A CONNECTOR WITH DIP SOLDER CONTACTS DEPENDS ON THE PARTICULAR TYPE OF HOUSING.</p> <p>CODING POSSIBILITIES N, S, H, X, Y AND Z</p>		

Inserts 17-pole	Type	Part Number	Part Number
<p>Insert Pin Mating View (clockwise orientation)</p> <p>Insert Socket Mating View (counterclockwise orientation)</p>	Pinout clockwise	Pins	Sockets
	Insert with solder contacts	S7.001.917.103.....	S7.001.917.104
	Insert without contacts.....	S7.003.917.101.....	S7.003.917.102
	Insert with dip solder contacts		
	Length 3.5 mm.....	S7.001.917.107	
	Insert with dip solder contacts		
	Length 10 mm.....	S7.001.917.127.....	S7.001.917.108
	Insert with dip solder contacts		
	Length 17 mm.....	S7.001.917.137.....	S7.001.917.118
	<p>THE CORRECT DIMENSION OF A CONNECTOR WITH DIP SOLDER CONTACTS DEPENDS ON THE PARTICULAR TYPE OF HOUSING.</p> <p>CODING POSSIBILITIES N, S, H, X, Y AND Z</p>		

Inserts 17-pole	Type	Part Number	Part Number
<p>Insert Pin Mating View (counterclockwise orientation)</p> <p>Insert Socket Mating View (clockwise orientation)</p>	Pinout counterclockwise	Pins	Sockets
	Insert with solder contacts	S7.002.917.103.....	S7.002.917.104
	Insert without contacts.....	S7.004.917.101.....	S7.004.917.102
	Insert with dip solder contacts		
	Length 3.5 mm.....	S7.002.917.107	
	Insert with dip solder contacts		
	Length 10 mm.....	S7.002.917.127.....	S7.002.917.108
	Insert with dip solder contacts		
	Length 17 mm.....	S7.002.917.137.....	S7.002.917.118
	<p>THE CORRECT DIMENSION OF A CONNECTOR WITH DIP SOLDER CONTACTS DEPENDS ON THE PARTICULAR TYPE OF HOUSING.</p> <p>CODING POSSIBILITIES N, S, H, X, Y AND Z</p>		

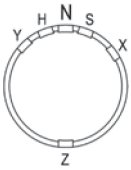
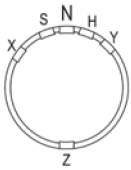
Inserts 19-pole	Type	Part Number	Part Number	
 <p>Insert Pin Mating View (clockwise orientation)</p> <p>Insert Socket Mating View (counterclockwise orientation)</p> <p>CODING POSSIBILITIES N, S, H, X AND Y</p>	Pinout clockwise	Pins	Sockets	
	Insert with solder contacts	S7.001.919.103.....	S7.001.919.104	
	Insert with solder contacts	S7.001.919.113.....	S7.001.919.114	
	+PE (Pos.12)			
	Insert with solder contacts + PE (Pos.12) 1.5 mm elongated			S7.001.919.123
	Insert without contacts.....	S7.003.919.101.....	S7.003.919.102	
	Insert without contacts	S7.003.919.111.....	S7.003.919.112	
	+PE (Pos.12)			
	Insert with dip solder contacts			
	Length 3.5 mm.....	S7.001.919.107		
Insert with dip solder contacts				
Length 10 mm.....	S7.001.919.127.....	S7.001.919.108		
Insert with dip solder contacts				
Length 17 mm.....	S7.001.919.137.....	S7.001.919.118		

THE CORRECT DIMENSION OF A CONNECTOR WITH DIP SOLDER CONTACTS DEPENDS ON THE PARTICULAR TYPE OF HOUSING.


M23 Signal Contact Arrangement	Number of Poles	Required Contacts
	6	6 x 2 mm
	7	7 x 2 mm
	9 (8 + 1)	8 x 1 mm.....1 x 2 mm
	12	12 x 1 mm
	16	16 x 1 mm
	17	17 x 1 mm
	19	16 x 1 mm.....3 x 1.5 mm
	10	Housings and contacts 10-pole, see chapter "M23 Power, M23 Hybrid" Page 56

M23 SIGNAL CONNECTORS

CODING OPTIONS, CONTACTS

M23 Signal Coding	Number of Poles	Coding Possibilities
 <p>Female Inserts Mating View</p>	6-pole.....	N, S, H, X, Y and Z
	7-pole	N, S, H, X and Y
	9-pole	N, S, H, X and Y
	12-pole.....	N, S, H, X, Y and Z
	16-pole.....	N, S, H, X, Y and Z
	17-pole.....	N, S, H, X, Y and Z
 <p>Male Inserts Mating View</p>	19-pole	N, S, H, X and Y

AS STANDARD, CODING GROOVE N IS OPENED.
TO USE OTHER CODINGS, PLEASE REMOVE THE CODING BARRIER.

M23 Signal Contacts	Type	Crimp Range	Part Number
	Crimp Pin 1 mm, machined.....	0.08 - 0.56 mm ² (AWG 28 - 20).....	S7.010.901.031
	Crimp Pin 1 mm, machined.....	0.14 - 1 mm ² (AWG 26 - 17).....	S7.010.901.001
	Crimp Pin 1 mm, machined.....	0.75 - 1.5 mm ² (AWG 17 - 16).....	S7.010.901.021
	Crimp Socket 1 mm, machined.....	0.08 - 0.56 mm ² (AWG 28 - 20).....	S7.010.901.012
	Crimp Socket 1 mm, machined.....	0.34 - 1 mm ² (AWG 22 - 17)	S7.010.901.002
	Crimp Socket 1 mm, machined.....	0.75 - 1.5 mm ² (AWG 17 - 16).....	S7.010.901.022
	Crimp Pin 1 mm, stamped.....	0.14 - 0.56 mm ² (AWG 26 - 20).....	Upon Request
	Crimp Socket 1 mm, stamped.....	0.14 - 0.56 mm ² (AWG 26 - 20).....	Upon Request
	Crimp Pin 1.5 mm, machined.....	0.14 - 1 mm ² (AWG 26 - 17).....	S7.010.901.501
	Crimp Socket 1.5 mm, machined	0.14 - 0.56 mm ² (AWG 26 - 20).....	S7.010.901.512
	Crimp Socket 1.5 mm, machined.....	0.56 - 1 mm ² (AWG 20 - 17).....	S7.010.901.502
	Crimp Pin 2 mm, machined.....	0.75 - 2.5 mm ² (AWG 18 - 14).....	S7.010.902.001
	Crimp Socket 2 mm, machined.....	0.75 - 2.5 mm ² (AWG 18 - 14).....	S7.010.902.002