

M 23 RJ 45 CONNECTORS

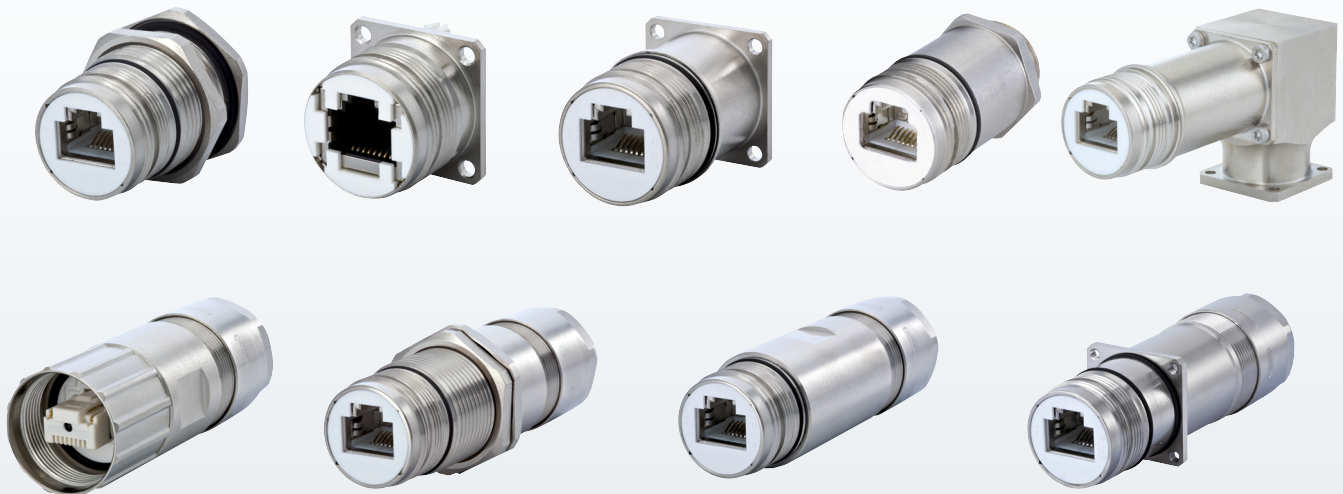
The connector series M 23 RJ 45 stands for safe data transfers with smallest space requirement in rough industrial environments. Here industrial patch cable can be used that the M 23 RJ 45 integrates in the body of an adaptor. The system achieves an excellent strain relief and complies with the protection class IP 67.

- // Industry suited system for safe data transfer
- // Integration of industrial patch cable
- // Screw lock
- // Suitable as maintenance interface



Housings

► 50



Accessories

► 53



Mechanical Data	Materials and Technical Data
Housing	Brass Alloy, Die Cast
Housing Surface	Nickel Plated
Inserts (for contacts)	PBT UL-94 V0, PA 6
Contacts	Brass Alloy
Contact Surface at point of contact	Depends on RJ 45 type used
Seals / O-Rings	NBR Viton® (FKM / FPM)
Temperature Range	Depends on RJ 45 type used
Degree of pollution	IP 67 per EN 60529 (mated)
Cable diameter range	3 – 7 / 7 – 12 / 11 – 17 mm
Number of Positions	4 / 6 / 8 poles, optional 4 + 2 / 6 + 2 / 8 + 2
Nominal Current ¹⁾ [A]	Depends on RJ 45 type used
Nominal Voltage ²⁾ [V~]	Depends on RJ 45 type used
Test Voltage [V~]	Depends on RJ 45 type used
Insulation Resistance [Ω]	Depends on RJ 45 type used
Max. Crossover Resistance [mΩ]	Depends on RJ 45 type used
Max. Data Rate	Depends on RJ 45 type used, IAW Cat 5/5e/6a

^{1), 2)} see Technical Information page 14

Housings

Straight Connector Female Thread

Cable-Ø

Part Number

3 – 7 mm (.12 – .28")7.R10.400.000
Connector with insert for patch cable

Suitable patch cable and plugs can be recommended.



Straight Connector Male Thread

Cable-Ø

Part Number

3 – 7 mm (.12 – .28")7.R20.408.000
Incl. 8 poles coupler, fully occupied



Panel Connector Front Mount, dip solder insert

Type

Part Number

4 holes 2.7 mm, Flange7.R40.008.000
Incl. 8 poles dip solder insert

4 holes 2.7 mm, Flange7.R40.082.000
Incl. 8 + 2 poles dip solder insert

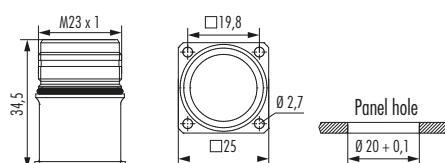
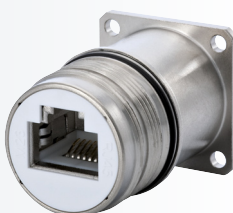
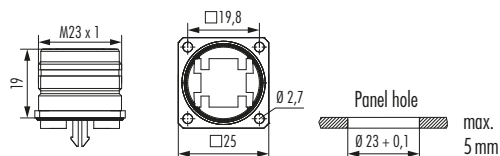
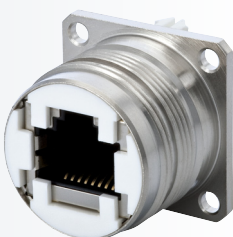
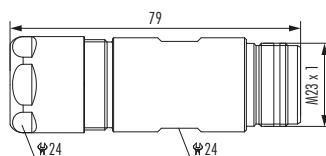
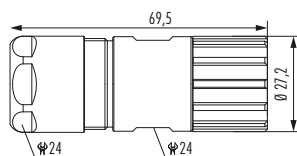


Panel Connector, Front Mount

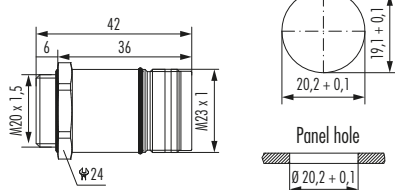
Type

Part Number

with vibration protection
4 holes 2.7 mm, Flange7.R41.008.000
Incl. 8 poles coupler, fully occupied



Single Hole Panel Connector



Type

Part Number

Front Mount

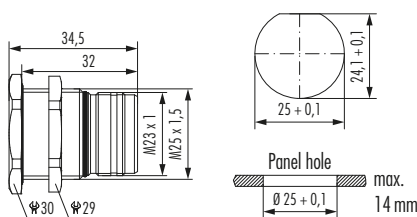
M 20 x 1,5 thread7.R42.008.000

Incl. 8 poles coupler, fully occupied

Optional: Gasket M 20 x 1,5, Locking Nut



Single Hole Panel Connector



Type

Part Number

Rear Mount

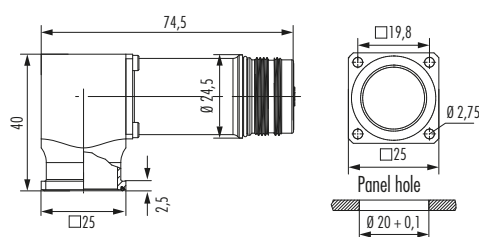
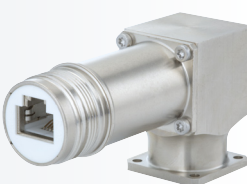
M 25 x 1,5 thread7.R50.008.000

Incl. 8 poles coupler, fully occupied

M 25 x 1,5 Locking Nut included.



Right Angle Panel Connector, Male Thread



Type

Part Number

300° rotatable, locking screw at flange

4 holes 2.7 mm, Flange7.R43.108.000

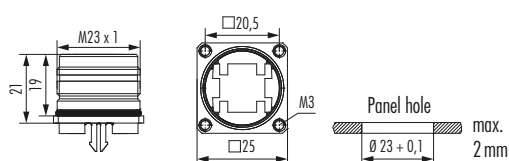
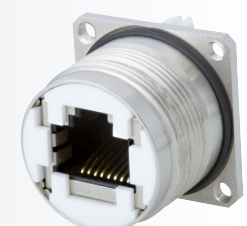
Incl. 8 poles coupler, fully occupied

Optional: Gasket

Simple installation with M 2.5 screws



Panel Connector Rear Mount, dip solder insert



Type

Part Number

4x M 3 thread, Flange7.R45.008.000

Incl. 8 poles dip solder insert

4x M 3 thread, Flange7.R45.082.000

Incl. 8 + 2 poles dip solder insert



¹ upon request

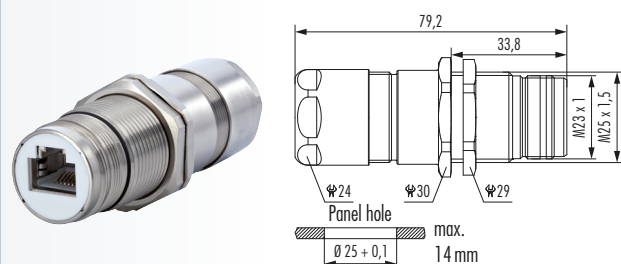
Housings

Single Hole Panel Connector with strain relief

Cable-Ø

Part Number

Single Hole, Rear Mount, M 25 x 1,5 thread
 3 – 7 mm (.12 - .28")7.R52.408.000
 Incl. 8 poles coupler, fully occupied
 M 25 x 1,5 Locking Nut included

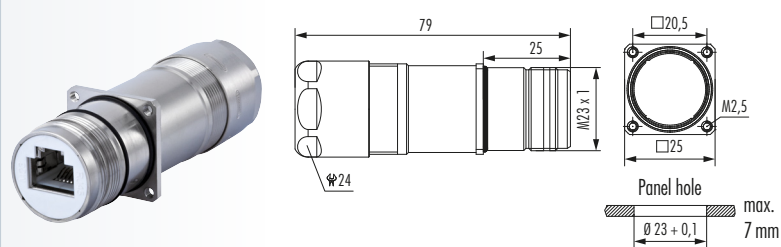


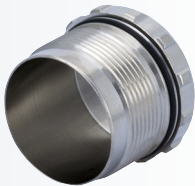
Panel Connector with strain relief

Cable-Ø

Part Number

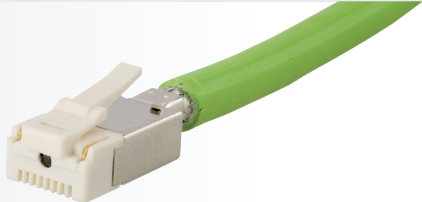
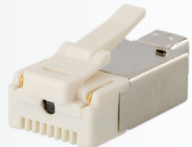
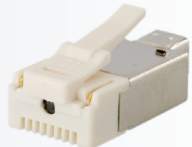
4x M 2,5 thread, Flange, Rear Mount
 3 – 7 mm (.12 - .28")7.R47.408.000
 Incl. 8 poles coupler, fully occupied



Accessories	Type	Part Number
	Plastic protective cap for connectors	
	with male thread7.000.900.101	
	with female thread7.000.900.102	
	Brass protective cap for connectors with female thread7.010.900.183	
	Brass protective cap for connectors with male thread7.010.900.102	
	Brass protective cap with chain for connectors with female thread	
	Length 70 mm7.010.950.783	
	Length 100 mm7.010.951.083	
	Brass protective cap with chain for connectors with male thread	
	Length 70 mm7.010.950.702	
	Length 100 mm7.010.951.002	
	Adaptor flange for Straight Connectors7.010.900.128	
	Conduit adaptor	
	Poleon DN 127.010.900.205	
	Poleon DN 147.010.900.207	
	Poleon DN 177.010.900.209	



Accessories

Accessories	Type	Part Number
	Suitable patch cable	on request
	Field attachable RJ45 connector Cat 5/SE	
	8-pole	A7RJ-081M41
	8+2-pole	A7RJ-821M51
	Field attachable RJ45 connecto Cat 6A	
	8-pole	A7RJ-081M6A
	Screw Tool, adjustable 0.5 – 1.7 Nm	7.010.900.190
	Tool Adapter for tightening or loosening knurled nuts for M 23	7.010.900.192