

M23 RJ45 ETHERNET CONNECTORS FOR HAZLOC



Ex-i RJ45 ETHERNET CONNECTORS

Mechanical Data	Materials and Technical Data
Housing	Brass Alloy Die Cast
Housing surface	Nickel Plated Brass or Stainless Steel 316L
Inserts (for contacts)	PBT UL-94 V0, PA 6
Contacts	Brass Alloy
Contact surface at point of contact	Depends On RJ45 Type Used
Seals / O-Rings	Buna-N (Black) / FKM (Green)
Temperature range	Depends On RJ45 Type Used
Degree of Protection	IP 67 / 69K 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 [A]	Depends On RJ45 Type Used
Nominal Voltage [V~]	Depends On RJ45 Type Used
Test Voltage [V~]	Depends On RJ45 Type Used
Insulation Resistance [MΩ]	Depends On RJ45 Type Used
Max. Crossover Resistance [mΩ]	Depends On RJ45 Type Used
Max. Data Rate	Depends On RJ45 Type Used, IAW CAT5/5e/6a

The Ex-i RJ45 Connector for Hazardous Duty Locations is an intrinsically safe ethernet solution for low voltage applications, available in Nickel Plated Brass and Stainless Steel (316L). The Ex-i RJ45 is EMI ready, liquid-tight and easily assembled with a NEMA 4x rating. Its sturdy, impact-resistant design is ideal for industrial environments with CAT 5, 5e or CAT 6a requirements. Available in both cable connector and panel connector housings. This robust solution achieves an IP 67/IP 69K protection class per EN 60529 when mated.



Ex-i RJ45 Approvals:

- BVS 11 ATEX E 177
-  II M1 Ex ia I Ma
-  II 1 G Ex ia IIC Ta Ga
- IECEx

Components Needed For A Complete Ex-i RJ45 Connector:

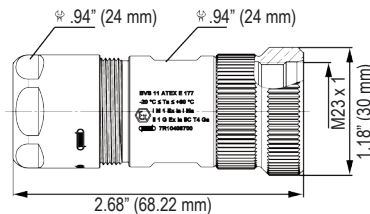
- **HOUSING** (pages 76 - 77)
- **INSERT** Not Included (contact Sealcon for more information)

Ideal in Low Voltage Applications!

- SCADA & RTU's
- Data Collection

M23 RJ45 Ex-i Straight Connector, EMI, Female Thread

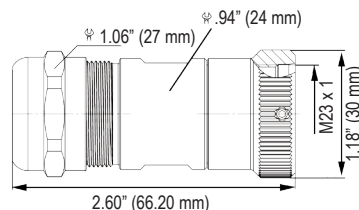
NICKEL PLATED BRASS



Cable-Ø	Part Number
.16\" - .28\" (4 - 7 mm).....	S7.R10.408.700
Straight, Female Thread	
.24\" - .47\" (6 - 12 mm).....	S7.R10.508.700
Straight, Female Thread	
.43\" - .67\" (11 - 17 mm).....	S7.R10.608.700
Straight, Female Thread	

M23 RJ45 Ex-i Straight Connector, EMI, Female Thread

STAINLESS STEEL 316L



Cable-Ø	Part Number
.16\" - .28\" (4 - 7 mm).....	S7.R10.408.740
Straight, Female Thread w/ FKM O-Rings	
.24\" - .47\" (6 - 12 mm).....	S7.R10.508.740
Straight, Female Thread w/ FKM O-Rings	
.43\" - .67\" (11 - 17 mm).....	S7.R10.608.740
Straight, Female Thread w/ FKM O-Rings	



HOUSING ONLY. FIELD ATTACHABLE RJ45 CONNECTORS NOT INCLUDED. MORE INFORMATION CAN BE FOUND AT WWW.SEALCONUSA.COM OR BY CALLING US AT 1-800-456-9012