

Industrial Ethernet M23

Circular Connectors Flyer
2007

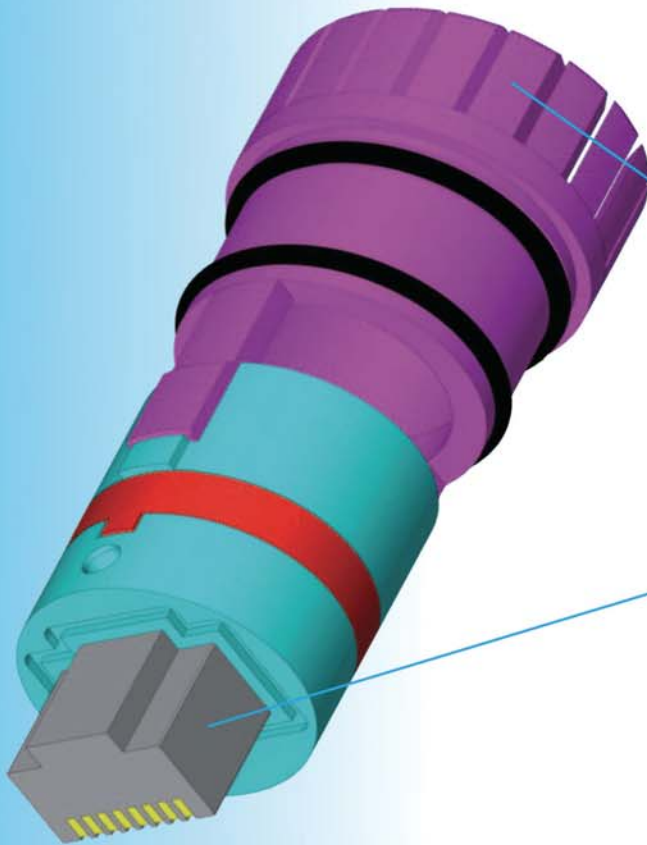


M 23 RJ45

Most space-saving RJ45 Industrial Ethernet Solution

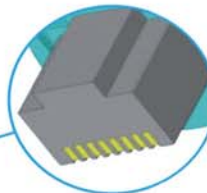
- + Allows use of standard patch cable (Cat 5 / Cat 5e / Cat 6)
- + Standard size M23 housings
- + Simple and quick assembly
- + Robust applications

Technical Data	M23 RJ45
Housing	Brass Alloy, Die Casting
Housing Surface	Nickel Plated Brass
Inserts (for contacts)	PBT, UL-94, V0, PA 6
Contacts	Brass Alloy
Contact Surface	Depends on RJ45 type
Seals / O-Ring	Buna-N Standard / FKM (Viton®)
Temperature Range	Depends on RJ45 type
Protection (connected)	IP 67 (NEMA 4x) per EN 60625
Cable Diameter Range	3 - 7 (.12" - .275") / 7 - 12 (.275" - .47") 11 - 17 mm (.43" - .67")



Characterics & Quality

- For industrial areas (degree of protection 3)
- Protection IP 67 (NEMA 4x)
- Additional strain relief on patch cable
- EMI Ready!



Versatility

- Allows use of standard preassembled patch cables
- Adapts RJ45 Cat5 / Cat5e / Cat6 types



Housings

- Different types of M23 flying connectors as Push-Pull or screw connection
- Panel connectors for board mounting or cable assembly



M 23 Signal / Power Connectors

IP 67
NEMA 4x

STRAIGHT CONNECTORS



ELBOW / ROTATABLE CONNECTORS



PANEL MOUNT CONNECTORS



ACCESSORIES



Signal Connectors Technical Info

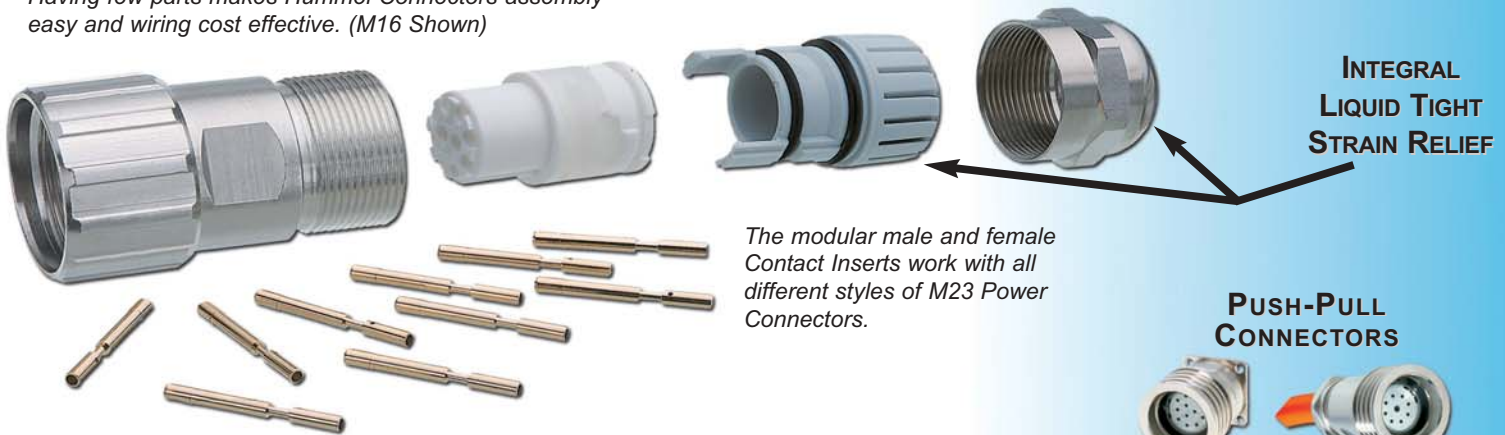
Material: Nickel Plated Brass, Stainless Steel, Aluminum
Number of Contacts: 6 - 19 **Amp Rating:** 8 - 20
Cable OD: 3 - 17 mm (.12" - .67") **Voltage Rating:** 150 - 300
Temp: -40°C to 125°C (-40°F to 257°F) **Wire Gauge:** 28 - 12 AWG

Power Connectors Technical Info

Material: Nickel Plated Brass, Stainless Steel, Aluminum
Number of Contacts: 6 - 8 **Amp Rating:** 8 - 28
Cable OD: 7 - 17 mm (.28" - .67") **Voltage Rating:** 300 - 800
Temp: -40°C to 125°C (-40°F to 257°F) **Wire Gauge:** 24 - 14 AWG

*** Also available for up to 55 Amp applications ***

Having few parts makes Hummel Connectors assembly easy and wiring cost effective. (M16 Shown)



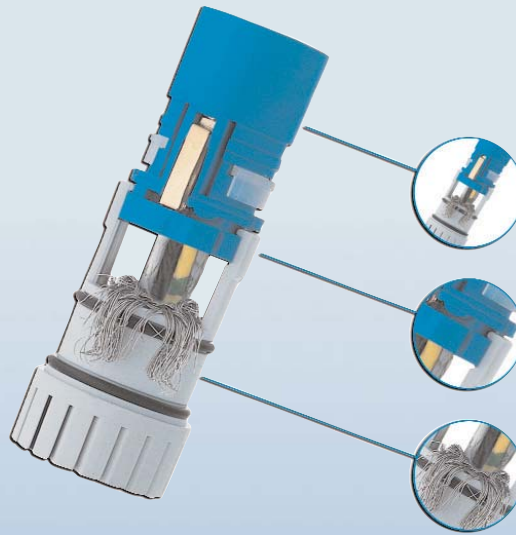
The modular male and female Contact Inserts work with all different styles of M23 Power Connectors.

PUSH-PULL CONNECTORS



No tools required to insert or extract contacts. Hummel's integrated Euro-Locking System secures the contact in the insert.

**2D / 3D
CAD Now
AVAILABLE!**



Cable assembly and shielding is possible in a single operation. Trimming of braided shield is not necessary for insertion into the connector housing

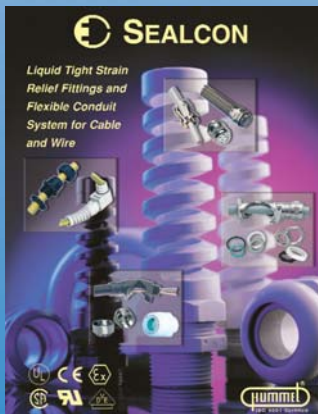
Patented **Euro Lock System**[®] holds the contacts securely in position. Strain relief insert with four stabilizers prevents cable rotation.

Flexible **EMI O-ring** guarantees reliable **EMI** protection for light and heavy braided shields.

Unique Benefits

Why use Sealcon / Hummel Circular Connectors?

- Easy field assembly
 No special tool required to insert or extract contacts.
 - Modular for a variety of configurations
 - All connectors EMI ready.
- Threaded and Push-Pull (Quick Disconnect) in One
- Compatible to other M23 brands.
- Reliable connection - Contacts with low plug-in force and high mating cycles.
 - Pre-Tinned contacts - Reliable, Faster and Safer means of soldering.
 - Inserts for all types of contacts - Crimp, Solder & Dip Solder.
- Immediate Availability! No Minimum Orders! RoHS Compliant!



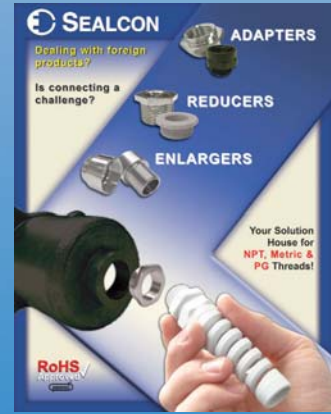
Strain Relief Fittings, Conduit & Accessories Catalog



Circular Connector Catalog



Industrial Enclosure Catalog



Thread Adapters, Enlargers & Reducers Flyer

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