

PRODUCT SPOTLIGHT

Sealcon Power over Ether (PoE) Solution - Profinet PoE M23 Connector

Hummel's M23 high speed Industrial Ethernet Circular Connector, combining Ethernet, Data or Power in one single interconnect package. The Hybrid Connector can carry up to five individual EMI shielded circuits, guaranteeing safe data transmission up to Gigabit range without interference. Connecting components are HF-technically matched to an impedance of 100 Ohm (at 100 Megabit) eliminating cross-talking. Standard RJ45 lines are wearing out and becoming unreliable, especially at higher transmission speeds. Compatible with other European protocols like PowerLink, EtherCat, etc



Technical Information:

- **Number of Contacts:** 4x2, 12 (Crimp or Dip Solder Contacts)
- **Contact Diameter:** 0.6 mm, 1 mm
- **Cable Range:** .43" - .67" (11-17 mm)
- **Mating Cycle:** 1000
- **Temperature Range:** -40°F to 257°F (-40°C to 125°C)
- **Amperage Range:** 2, 8

Features & Benefits:

- **Robust:** RoHS compliant IP67 Copper Zinc alloy Die Cast Connector
- **Flame Resistant:** Twinax-Inserts are V0 rated according to UL-94
- **Crimp Contacts:** Reliable in dynamic applications
- **Vibration Safe:** Hummel's SLS contact technology
- **High Transmission Speed:** Gigabyte
- **Compact:** Several circuits in one, ideal as one-cable-solution
- **Space & Money Saving:** Instead of running several cables with large square connectors through tight openings

Target Markets:

- Robotics
- Automation
- Railways
- Digital Image / Image Processing & Communication
- For fast & secure data transmission under vibration, mechanical load / stress and in harsh environments

Options:

Straight, Elbow, Front or Rear Panel Mount, Crimp solder & dip solder (PCB mount) connectors. I/O Modules, Adapter, Flange, Conduit Adapter, etc. 4 shielded Twinax-Inserts for data transfers, 12 additional contacts for transmission of signal & power achieve maximum power density/effectiveness within the M23 housing (Signal 4x2 ea 0.6 mm contacts) 0.08 - 0.34 sq mm 28-22 AWG (CAT6 - .25 sq mm) and 12x1 (0.25 - 1.5 sq mm)