

INTRODUCING

M12 RAIL PG CLAMP CONNECTOR SERIES

- Offers the smallest field assembled M12 connector on the market
- Attain successful assembly in tight, restrictive spaces with the smallest field assembled M12 connector on the market



TE Connectivity (TE) introduces a comprehensive range of M12 rail connectors for field assembly. With 360° EMI/RFI shielding, the M12 receptacle connectors have fully shielded housings and are pre-assembled for ease of use. TE's M12 rail PG clamp series consists of both male and female connectors with D4, A5 and A8 coding. The flange system, with shielding disc and flange, along with its full metal housing, provides secure 360° EMI/RFI shielding. It also provides a safe cable shield transfer-to-the-device solution without risk of interruption caused by vibration or shock.

BENEFITS

- Achieve quick and easy assembly due to low number of components
- Secure 360° EMI/RFI shielding with flange technology and full metal housing
- Accommodate large cable diameter range from 4-9mm allowing for a large number of cables to be used with just 1 connector
- Attain successful assembly in tight restrictive spaces with the smallest field assembled M12 connector on the market
- Enable applications in ruggedized systems with IP67 waterproofing

APPLICATIONS

- Rail data networks
- Rail sensor networks
- Rail rain door control systems
- Rail HVAC systems
- Trackside control systems

STANDARDS & SPECIFICATIONS

- NFF 16-101/102 I2/F2,
- EN45545 HL3

ELECTRICAL

- Data Transmission Characteristics: IEC 11801:2002 Class D
- Data Transmission Rate: up to 100Mbps/s
- Contact Resistance: < 5 MΩ
- Insulation Resistance: >100MΩ
- Current Rating: A-5 / D-4 : 4 A, A-8 : 2A

MECHANICAL

- M12 accord to IEC 61076-2-101
- Temperature Range: -40°C to 85°C (without cable boot) -30°C to 85°C (With cable boot)
- Mating Cycles: > 200
- IP Rating: IP67

MATERIALS

- Housing: Cu alloy Ni plated
- Insulator & Contact Holder: Thermoplastic
- Contact Material: Machined Copper alloy
- Contact Plating: Au over Ni
- Sealing: Elastomer

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