

PFT M12 IDC shielded D-cod. 4pol. female



Image is for illustration purposes only. Please refer to product description.

Identification

| | |
|----------------|---------------------------------------|
| Category | Connectors |
| Series | Circular connectors M12 |
| Identification | M12-L |
| Element | Cable connector Panel feed through |
| Specification | for rear mounting |

Version

| | |
|--------------------|-------------------------------------|
| Termination method | HARAX® connection technology |
| Gender | Female |
| Shielding | Shielded |
| Number of contacts | 4 |
| Coding | D-coding |
| Locking type | Screw locking |
| Details | For Fast Ethernet applications only |

Technical characteristics

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|-------------------------|-------------------------------|
| Conductor cross-section | 0.14 ... 0.34 mm ² |
| Conductor cross-section | AWG 26 ... AWG 22 |
| Wire outer diameter | ≤2 mm |
| Rated current | 4 A |
| Rated voltage | 50 V |
| Rated impulse voltage | 1.5 kV |

Technical characteristics

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|--|------------------------------|
| Pollution degree | 3 |
| Transmission characteristics | Cat. 5 Class D up to 100 MHz |
| Overvoltage category | III |
| Data rate | 10 Mbit/s 100 Mbit/s |
| Insulation resistance | >10 ⁸ Ω |
| Contact resistance | ≤10 mΩ |
| Tightening torque | 2 Nm Lock nut |
| Limiting temperature | -40 ... +85 °C |
| Mating cycles | ≥100 |
| Degree of protection acc. to IEC 60529 | IP65 / IP67 mated condition |
| Cable diameter | 4.5 ... 8.8 mm |
| Isolation group | I (600 ≤ CTI) |
| Thickness of the panel | 2.5 ... 4.5 mm |

Material properties

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|--------------------------------------|--|
| Material (insert) | Polyamide (PA) |
| Material (contacts) | Brass |
| Surface (contacts) | Au over Ni Mating side |
| Material (hood/housing) | Zinc die-cast |
| RoHS | compliant with exemption |
| RoHS exemptions | 6(c): Copper alloy containing up to 4 % lead by weight |
| ELV status | compliant with exemption |
| China RoHS | 50 |
| REACH Annex XVII substances | Not contained |
| REACH ANNEX XIV substances | Not contained |
| REACH SVHC substances | Yes |
| REACH SVHC substances | Lead |
| ECHA SCIP number | 0d7d3693-d625-47ab-934a-d241bf72c86e |
| California Proposition 65 substances | Yes |
| California Proposition 65 substances | Lead Nickel Naphthalene |
| Fire protection on railway vehicles | EN 45545-2 (2020-08) |

Material properties

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| Requirement set with Hazard Levels | R26 |
|------------------------------------|-----|

Specifications and approvals

| | |
|----------------|--|
| Specifications | IEC 61076-2-101 |
| UL / CSA | UL 1977 ECBT2.E102079 CSA-C22.2 No. 182.3 ECBT8.E102079 |
| PROFINET | Yes |

Commercial data

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|--------------------------------|--|
| Packaging size | 1 |
| Net weight | 49 g |
| Country of origin | Germany |
| European customs tariff number | 85366990 |
| GTIN | 5713140138162 |
| ETIM | EC002635 |
| eCl@ss | 27440116 Circular connector (for field assembly) |