

M12 PFT Slim Design Female, X coded



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

| | |
|--------------------|---|
| Part number | 21 03 881 2825 |
| Specification | M12 PFT Slim Design Female, X coded |
| HARTING eCatalogue | https://b2b.harting.com/21038812825 |

Identification

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

Version

| | |
|--------------------|--|
| Termination method | Crimp termination |
| Gender | Female |
| Shielding | Shielded |
| Number of contacts | 8 |
| Coding | X-coding |
| Locking type | Screw locking PushPull |
| Details | Please order crimp contacts separately. |
| Details | For Ethernet applications up to 10 Gbit only |

Technical characteristics

| | |
|-------------------------|-------------------------------|
| Conductor cross-section | 0.08 ... 0.25 mm ² |
| Conductor cross-section | AWG 28 ... AWG 23 |
| Wire outer diameter | ≤1.4 mm |
| Rated current | 0.5 A |



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Technical characteristics

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|--|--|
| Rated voltage | 48 V |
| Rated impulse voltage | 0.8 kV |
| Pollution degree | 3 |
| Transmission characteristics | Cat. 6 _A Class E _A up to 500 MHz |
| Overvoltage category | III |
| Data rate | 10 Mbit/s 100 Mbit/s 1 Gbit/s 2.5 Gbit/s 5 Gbit/s 10 Gbit/s |
| Insulation resistance | >10 ⁸ Ω |
| Contact resistance | ≤10 mΩ |
| Tightening torque | 2 Nm Lock nut |
| Limiting temperature | -40 ... +85 °C |
| Mating cycles | ≥500 |
| Degree of protection acc. to IEC 60529 | IP65 / IP67 mated condition |
| Cable diameter | 5.7 ... 8.8 mm |
| Isolation group | I (600 ≤ CTI) |

Material properties

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|--------------------------------------|------------------------------|
| Material (insert) | Liquid crystal polymer (LCP) |
| Material (hood/housing) | Zinc die-cast |
| RoHS | compliant |
| ELV status | compliant |
| China RoHS | e |
| REACH Annex XVII substances | Not contained |
| REACH ANNEX XIV substances | Not contained |
| REACH SVHC substances | Not contained |
| California Proposition 65 substances | Yes |
| California Proposition 65 substances | Nickel |
| Fire protection on railway vehicles | EN 45545-2 (2020-08) |
| Requirement set with Hazard Levels | R26 |



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Specifications and approvals

| | |
|----------------|--|
| Specifications | IEC 61076-2-109 |
| UL / CSA | UL 2238 CYJV2.E302521 CSA-C22.2 No. 182.3 CYJV8.E302521 |
| PROFINET | Yes |

Commercial data

| | |
|--------------------------------|--|
| Packaging size | 1 |
| Net weight | 35 g |
| Country of origin | Romania |
| European customs tariff number | 85366990 |
| GTIN | 5713140226128 |
| ETIM | EC002635 |
| eCl@ss | 27440116 Circular connector (for field assembly) |