

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



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

|                    |                                                                               |
|--------------------|-------------------------------------------------------------------------------|
| Part number        | 21 03 381 2425                                                                |
| Specification      | PFT M12 IDC shielded D-cod. 4pol. female                                      |
| HARTING eCatalogue | <a href="https://harting.com/21033812425">https://harting.com/21033812425</a> |

### Identification

|                |                                       |
|----------------|---------------------------------------|
| Category       | Connectors                            |
| Series         | Circular connectors M12               |
| Identification | M12-L                                 |
| Element        | Cable connector<br>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

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



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## Technical characteristics

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

## Material properties

|                                      |                                                        |
|--------------------------------------|--------------------------------------------------------|
| 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<br>Nickel                                         |
| Fire protection on railway vehicles  | EN 45545-2 (2020-08)                                   |



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Material properties

|                                    |     |
|------------------------------------|-----|
| 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

|                                |                                                  |
|--------------------------------|--------------------------------------------------|
| Packaging size                 | 1                                                |
| Net weight                     | 49 g                                             |
| Country of origin              | Germany                                          |
| European customs tariff number | 85366990                                         |
| GTIN                           | 5713140138162                                    |
| eCl@ss                         | 27440116 Circular connector (for field assembly) |
| ETIM                           | EC002635                                         |
| UNSPSC 24.0                    | 39121413                                         |