

## PFT M12 IDC shielded A-cod. 4pol. male



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

|                    |   |
|--------------------|---|
| Part number        | 21 03 321 1425  |
| Specification      | PFT M12 IDC shielded A-cod. 4pol. male  |
| HARTING eCatalogue | <a href="https://harting.com/21033211425">https://harting.com/21033211425</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 <sup>®</sup> connection technology |
| Gender             | Male                                     |
| Shielding          | Shielded                                 |
| Number of contacts | 4  |
| Coding             | A-coding                                 |
| Locking type       | Screw locking                            |

### Technical characteristics

|                               |                               |
|-------------------------------|-------------------------------|
| Conductor cross-section       | 0.14 ... 0.34 mm <sup>2</sup> |
| Conductor cross-section [AWG] | AWG 26 ... AWG 22             |
| Wire outer diameter           | ≤1.6 mm                       |
| Rated current                 | 4 A                           |
| Rated voltage                 | 50 V                          |
| Rated impulse voltage         | 1.5 kV                        |
| Pollution degree              | 3                             |



**Pushing Performance**  
Since 1945

## Technical characteristics

|  |                             |
|--|-----------------------------|
| Overvoltage category                   | III                         |
| 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 ( $600 \leq \text{CTI}$ ) |

## 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) + A1 (2023-10)                    |
| Requirement set with Hazard Levels   | R26  |

## Specifications and approvals

|                |                 |
|----------------|-----------------|
| Specifications | IEC 61076-2-101 |
|----------------|-----------------|



**Pushing Performance**  
Since 1945

## Specifications and approvals

|          |                                   |
|----------|-----------------------------------|
| UL / CSA | UL 1977 ECBT2.E102079             |
|          | CSA-C22.2 No. 182.3 ECBT8.E102079 |

## Commercial data

|                                |  |
|--------------------------------|--|
| Packaging size                 | 1  |
| Net weight                     | 49.1 g   |
| Country of origin              | Romania  |
| European customs tariff number | 85366990   |
| GTIN                           | 5713140137677                                    |
| eCl@ss                         | 27440116 Circular connector (for field assembly) |
| ETIM                           | EC002635   |
| UNSPSC 24.0                    | 39121413   |