

## M12 Crimp Slim Design 4pol D-coded male



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

|                    |   |
|--------------------|---|
| Part number        | 21 03 881 1405  |
| Specification      | M12 Crimp Slim Design 4pol D-coded male   |
| HARTING eCatalogue | <a href="https://b2b.harting.com/21038811405">https://b2b.harting.com/21038811405</a> |

### Identification

|                |                         |
|----------------|-------------------------|
| Category       | Connectors              |
| Series         | Circular connectors M12 |
| Identification | Slim Design             |
| Element        | Cable connector         |
| Specification  | Straight                |

### Version

|                    |   |
|--------------------|---|
| Termination method | Crimp termination                       |
| Gender             | Male                                    |
| Shielding          | Shielded                                |
| Number of contacts | 4                                       |
| Coding             | D-coding                                |
| Locking type       | Screw locking                           |
| Details            | Please order crimp contacts separately. |
| Details            | For Fast Ethernet applications only     |

### Technical characteristics

|                         |                               |
|-------------------------|-------------------------------|
| Conductor cross-section | 0.13 ... 0.82 mm <sup>2</sup> |
| Conductor cross-section | AWG 26 ... AWG 18             |
| Wire outer diameter     | ≤2.3 mm                       |
| Rated current           | 4 A                           |
| Rated voltage           | 48 V AC<br>60 V DC            |



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## Technical characteristics

|   |                              |
|---|------------------------------|
| Rated impulse voltage                     | 1.5 kV                       |
| 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                         | 0.6 Nm                       |
| Wrench size (knurled screw / knurled nut) | 15                           |
| Limiting temperature                      | -40 ... +85 °C               |
| Mating cycles                             | $\geq 500$                   |
| Degree of protection acc. to IEC 60529    | IP65 / IP67 mated condition  |
| Cable diameter                            | 5.7 ... 8.8 mm               |
| Isolation group                           | I ( $600 \leq \text{CTI}$ )  |

## Material properties

|                                      |                               |
|--------------------------------------|-------------------------------|
| 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 | Lead<br>Nickel<br>Naphthalene |
| Fire protection on railway vehicles  | EN 45545-2 (2020-08)          |
| Requirement set with Hazard Levels   | R26                           |

## Specifications and approvals

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



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## Specifications and approvals

|          |  |
|----------|--|
| UL / CSA | UL 2238 CYJV2.E302521<br>CSA-C22.2 No. 182.3 CYJV8.E302521 |
| PROFINET | Yes  |

## Commercial data

|                                |  |
|--------------------------------|--|
| Packaging size                 | 1  |
| Net weight                     | 52.5 g   |
| Country of origin              | Romania  |
| European customs tariff number | 85366990   |
| GTIN                           | 5713140139701                                    |
| eCl@ss                         | 27440116 Circular connector (for field assembly) |