

## M12 slim angled male X-cod 8-pol



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

|                    |   |
|--------------------|---|
| Part number        | 21 03 881 3805  |
| Specification      | M12 slim angled male X-cod 8-pol  |
| HARTING eCatalogue | <a href="https://b2b.harting.com/21038813805">https://b2b.harting.com/21038813805</a> |

### Identification

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

### Version

|                    |  |
|--------------------|--|
| Termination method | Crimp termination                            |
| Gender             | Male   |
| Shielding          | Shielded                                     |
| Number of contacts | 8  |
| Coding             | X-coding                                     |
| Locking type       | Screw locking                                |
| 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 <sup>2</sup> |
| Conductor cross-section | AWG 28 ... AWG 23             |
| Wire outer diameter     | ≤1.4 mm                       |
| Rated current           | 0.5 A                         |
| Rated voltage           | 48 V                          |
| Rated impulse voltage   | 0.8 kV                        |



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## Technical characteristics

|   |  |
|---|--|
| Pollution degree                          | 3  |
| Transmission characteristics              | Cat. 6 <sub>A</sub> Class E <sub>A</sub> 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 <sup>8</sup> Ω                                     |
| Contact resistance                        | ≤10 mΩ   |
| Tightening torque                         | 0.6 Nm   |
| Wrench size (knurled screw / knurled nut) | 15   |
| 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

|                                      |                              |
|--------------------------------------|------------------------------|
| 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                         |
|                                      | Nickel                       |
|                                      | Naphthalene                  |
| 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<br>CSA-C22.2 No. 182.3 CYJV8.E302521 |
| PROFINET       | Yes  |

## Commercial data

|                                |  |
|--------------------------------|--|
| Packaging size                 | 1  |
| Net weight                     | 68.2 g   |
| Country of origin              | Romania  |
| European customs tariff number | 85366990   |
| GTIN                           | 5713140226630                                    |
| eCl@ss                         | 27440116 Circular connector (for field assembly) |