

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 | https://b2b.harting.com/21038813805 |

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 ² |
| 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 |



Pushing Performance
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Technical characteristics

| | |
|-------------------------------------------|--------------------------------------------------------|
| 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 | 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 CSA-C22.2 No. 182.3 CYJV8.E302521 |
| PROFINET | Yes |

Commercial data

| | |
|--------------------------------|--------------------------------------------------|
| Packaging size | 1 |
| Net weight | 65 g |
| Country of origin | Romania |
| European customs tariff number | 85366990 |
| GTIN | 5713140226630 |
| ETIM | EC002635 |
| eCl@ss | 27440116 Circular connector (for field assembly) |