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Since 1945

# M12 SD male X cod 8 pol crimp flange



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

| | |
|---|---|
| Part number | 21 03 881 1807 |
| Specification | M12 SD male X cod 8 pol crimp flange |
| HARTING eCatalogue | https://b2b.harting.com/21038811807 |

## Identification

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

## Version

| | |
|---|---|
| Termination method | Crimp termination |
| Gender | Male |
| Shielding | Shielded<br>Shield connection with crimp flange |
| Number of contacts | 8 |
| Coding | X-coding |
| Locking type | Screw locking |
| Details | Please order crimp contacts separately.<br>Please order crimp flange set separately. |
| Details | For Ethernet applications up to 10 Gbit only |

## Technical characteristics

| | |
|---|---|
| Conductor cross-section | 0.08 ... 0.25 mm² |
| Conductor cross-section | AWG 28 ... AWG 23 |
| Wire outer diameter | ≤1.4 mm |
| Rated current | 0.5 A |
| Rated voltage | 48 V |


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## Technical characteristics

| | |
|---|---|
| Rated impulse voltage | 0.8 kV |
| Pollution degree | 3 |
| Transmission characteristics | Cat. $6_A$ Class $E_A$ up to 500 MHz |
| Overvoltage category | III |
| Data rate | 10 Mbit/s<br>100 Mbit/s<br>1 Gbit/s<br>2.5 Gbit/s<br>5 Gbit/s<br>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 |
| Isolation group | I (600 ≤ CTI) |

## Material properties

| | |
|---|---|
| Material (insert) | Liquid crystal polymer (LCP) |
| 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<br>Naphthalene |
| Fire protection on railway vehicles | EN 45545-2 (2020-08) |


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## Material properties

| | |
|---|---|
| Requirement set with Hazard Levels | R22 (HL 1-3)<br>R23 (HL 1-3) |

## Specifications and approvals

| | |
|---|---|
| Specifications | IEC 61076-2-109 |

## Commercial data

| | |
|---|---|
| Packaging size | 1 |
| Net weight | 47.4 g |
| Country of origin | Romania |
| European customs tariff number | 85366990 |
| GTIN | 5713140225992 |
| ETIM | EC002635 |
| eCl@ss | 27440116 Circular connector (for field assembly) |


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