

Circular Connector w. Harax M12 L 3P M



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

| | |
|--------------------|---|
| Part number | 21 03 212 1306 |
| Specification | Circular Connector w. Harax M12 L 3P M |
| HARTING eCatalogue | https://b2b.harting.com/21032121306 |

Identification

| | |
|----------------|---|
| Category | Connectors |
| Series | Circular connectors M12 |
| Identification | M12-L |
| Element | Cable connector |
| Specification | Straight Deviating contact configuration |

Version

| | |
|-----------------------|--|
| Termination method | HARAX [®] connection technology |
| Gender | Male |
| Locking type | Screw locking |
| Shielding | Unshielded |
| Number of contacts | 3 |
| Contact configuration | 1, 3, 4 |
| Coding | A-coding |

Technical characteristics

| | |
|-------------------------|-------------------------------|
| Conductor cross-section | 0.34 ... 0.75 mm ² |
| Conductor cross-section | AWG 22 ... AWG 18 |
| Wire outer diameter | ≤2.6 mm |
| Rated current | 6 A |
| Rated voltage | 50 V |
| Rated impulse voltage | 1.5 kV |



Pushing Performance

Technical characteristics

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|---|-----------------------------|
| Pollution degree | 3 |
| Insulation resistance | $>10^8 \Omega$ |
| Contact resistance | $\leq 10 \text{ m}\Omega$ |
| Ambient temperature | -40 ... +85 °C |
| Tightening torque | 0.6 Nm |
| Wrench size (knurled screw / knurled nut) | 17 |
| Mating cycles | ≥ 100 |
| Degree of protection acc. to IEC 60529 | IP65 / IP67 when mated |
| Cable diameter | 6 ... 8 mm |
| Overvoltage category | III |
| Isolation group | I ($600 \leq \text{CTI}$) |

Material properties

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|-----------------------------|--|
| Material (insert) | Polyamide (PA) |
| Material (contacts) | Brass |
| Surface (contacts) | Gold plated |
| Material (hood/housing) | Polyamide (PA) 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 | No |
| REACH ANNEX XIV substances | No |
| REACH SVHC substances | Yes |
| REACH SVHC substances | Lead |

Specifications and approvals

| | |
|----------------|--|
| Specifications | IEC 61076-2-101 |
| UL / CSA | UL 1977 ECBT2.E102079 CSA-C22.2 No. 182.3 ECBT8.E102079 |

Commercial data

| | |
|----------------|---|
| Packaging size | 1 |
|----------------|---|



Pushing Performance

Commercial data

| | |
|--------------------------------|--|
| Net weight | 35.2 g |
| Country of origin | Germany |
| European customs tariff number | 85366990 |
| eCl@ss | 27440102 Circular connector (for field assembly) |