

## Circular Connector with Harax M 1 2/ 3-p



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

|                    |   |
|--------------------|---|
| Part number        | 21 03 111 1305  |
| Specification      | Circular Connector with Harax M 1 2/ 3-p  |
| HARTING eCatalogue | <a href="https://b2b.harting.com/21031111305">https://b2b.harting.com/21031111305</a> |

### Identification

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

### Version

|                    |  |
|--------------------|--|
| Termination method | HARAX <sup>®</sup> connection technology |
| Gender             | Male                                     |
| Shielding          | Unshielded                               |
| Number of contacts | 3  |
| Coding             | A-coding                                 |
| Locking type       | Screw locking                            |

### Technical characteristics

|                         |                               |
|-------------------------|-------------------------------|
| Conductor cross-section | 0.14 ... 0.34 mm <sup>2</sup> |
| Conductor cross-section | AWG 26 ... AWG 22             |
| Wire outer diameter     | ≤1.6 mm                       |
| Rated current           | 4 A                           |
| Rated voltage           | 32 V                          |
| Rated impulse voltage   | 1.5 kV                        |
| Pollution degree        | 3                             |
| Overvoltage category    | III                           |



Pushing Performance

## Technical characteristics

|   |                             |
|---|-----------------------------|
| Insulation resistance                     | >10 <sup>8</sup> Ω          |
| Contact resistance                        | ≤10 mΩ                      |
| Tightening torque                         | 0.6 Nm                      |
| Wrench size (knurled screw / knurled nut) | 13                          |
| Ambient temperature                       | -40 ... +85 °C              |
| Mating cycles                             | ≥100                        |
| Degree of protection acc. to IEC 60529    | IP65 / IP67 mated condition |
| Cable diameter                            | 2.9 ... 5.1 mm              |
| Isolation group                           | I (600 ≤ CTI)               |

## Material properties

|                                      |                                 |
|--------------------------------------|---------------------------------|
| Material (insert)                    | Polyamide (PA)                  |
| Material (contacts)                  | Brass                           |
| Surface (contacts)                   | Au over Ni Mating side          |
| Material (hood/housing)              | Polyamide (PA)<br>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 | Nickel<br>Lead                  |

## Specifications and approvals

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

## Commercial data

|                   |         |
|-------------------|---------|
| Packaging size    | 1       |
| Net weight        | 22 g    |
| Country of origin | Germany |



Pushing Performance

## Commercial data

European customs tariff number 85366990

eCl@ss 27440102 Circular connector (for field assembly)

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