

# Circular Connector with Harax M 1 2/ 4-p



| -                  |  |
|--------------------|--|
| Part number        | 21 03 111 1405                           |
| Specification      | Circular Connector with Harax M 1 2/ 4-p |
| HARTING eCatalogue | https://b2b.harting.com/21031111405      |

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

#### 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 | 4  |
| Coding             | A-coding                                 |
| Locking type       | Screw locking                            |

## **Technical characteristics**

| Conductor cross-section | 0.14 0.34 mm² |
|-------------------------|---------------|
| 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           |

Page 1 / 3 | Creation date 2023-12-08 | Please note that the data specified here were taken as extracts from the online catalogue. Please refer to the user documentation for the complete and up-to-date information and data. Please also note that the user is responsible for validating functionality, conformity with applicable laws and directives, as well as for the electrical safety in the particular application. HARTING Electronics GmbH | Marienwerderstraße 3 | 32339 Espelkamp | Germany Phone +49 5772 47-97200 | electronics@HARTING.com | www.HARTING.com



#### 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                              |
| Limiting 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 ANNEX XIV substances           | Not contained        |
|--------------------------------------|----------------------|
| REACH SVHC substances                | Not contained        |
| California Proposition 65 substances | Yes                  |
| California Proposition 65 substances | Lead<br>Nickel       |
| Fire protection on railway vehicles  | EN 45545-2 (2020-08) |
| Requirement set with Hazard Levels   | R26                  |

## Specifications and approvals

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

Packaging size

Page 2 / 3 | Creation date 2023-12-08 | Please note that the data specified here were taken as extracts from the online catalogue. Please refer to the user documentation for the complete and up-to-date information and data. Please also note that the user is responsible for validating functionality, conformity with applicable laws and directives, as well as for the electrical safety in the particular application. HARTING Electronics GmbH | Marienwerderstraße 3 | 32339 Espelkamp | Germany Phone +49 5772 47-97200 | electronics@HARTING.com | www.HARTING.com

1



#### Commercial data

| Net weight                     | 3 g  |
|--------------------------------|--|
| Country of origin              | Germany  |
| European customs tariff number | 85366990   |
| GTIN                           | 5713140137219                                    |
| ETIM                           | EC002635   |
| eCl@ss                         | 27440116 Circular connector (for field assembly) |

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