

## Circular Connector Harax M12 L4 M D-code



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

|                    |   |
|--------------------|---|
| Part number        | 21 03 281 1405  |
| Specification      | Circular Connector Harax M12 L4 M D-code  |
| HARTING eCatalogue | <a href="https://b2b.harting.com/21032811405">https://b2b.harting.com/21032811405</a> |

### Identification

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

### Version

|                    |  |
|--------------------|--|
| Termination method | HARAX <sup>®</sup> connection technology |
| Gender             | Male                                     |
| Shielding          | Shielded                                 |
| Number of contacts | 4  |
| Coding             | D-coding                                 |
| Locking type       | Screw locking                            |
| Details            | For Fast Ethernet applications only      |

### Technical characteristics

|                         |                               |
|-------------------------|-------------------------------|
| Conductor cross-section | 0.14 ... 0.34 mm <sup>2</sup> |
| Conductor cross-section | AWG 26 ... AWG 22             |
| Wire outer diameter     | ≤2 mm                         |
| Rated current           | 4 A                           |
| Rated voltage           | 50 V                          |
| Rated impulse voltage   | 1.5 kV                        |
| Pollution degree        | 3                             |



Pushing Performance

## Technical characteristics

|   |                              |
|---|------------------------------|
| Transmission characteristics              | Cat. 5 Class D up to 100 MHz |
| Overvoltage category                      | III                          |
| Data rate                                 | 10 Mbit/s<br>100 Mbit/s      |
| Insulation resistance                     | $>10^8 \Omega$               |
| Contact resistance                        | $\leq 10 \text{ m}\Omega$    |
| Tightening torque                         | 0.6 Nm                       |
| Wrench size (knurled screw / knurled nut) | 17                           |
| Ambient temperature                       | -40 ... +85 °C               |
| Mating cycles                             | $\geq 100$                   |
| Degree of protection acc. to IEC 60529    | IP65 / IP67 mated condition  |
| Cable diameter                            | 4.5 ... 8.8 mm               |
| Isolation group                           | I ( $600 \leq \text{CTI}$ )  |

## Material properties

|                                      |  |
|--------------------------------------|--|
| Material (insert)                    | Polyamide (PA)   |
| Material (contacts)                  | Brass  |
| Surface (contacts)                   | Au over Ni Mating side                                 |
| 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          | No   |
| REACH ANNEX XIV substances           | No   |
| 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 | Nickel<br>Lead<br>Naphthalene                          |

## Specifications and approvals

|                |                 |
|----------------|-----------------|
| Specifications | IEC 61076-2-101 |
|----------------|-----------------|

