

## Circular Connector M12 crimp male A-code



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

|                    |   |
|--------------------|---|
| Part number        | 21 03 812 1405  |
| Specification      | Circular Connector M12 crimp male A-code  |
| HARTING eCatalogue | <a href="https://b2b.harting.com/21038121405">https://b2b.harting.com/21038121405</a> |

### Identification

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

### Version

|                    |   |
|--------------------|---|
| Termination method | Crimp termination                       |
| Gender             | Male                                    |
| Shielding          | Shielded                                |
| Number of contacts | 4                                       |
| Coding             | A-coding                                |
| Locking type       | Screw locking                           |
| Details            | Please order crimp contacts separately. |

### Technical characteristics

|                         |                               |
|-------------------------|-------------------------------|
| Conductor cross-section | 0.14 ... 0.75 mm <sup>2</sup> |
| Conductor cross-section | AWG 26 ... AWG 18             |
| Wire outer diameter     | ≤2.3 mm                       |
| Rated current           | 4 A                           |
| Rated voltage           | 250 V                         |
| Rated impulse voltage   | 1.5 kV                        |
| Pollution degree        | 3                             |
| Overvoltage category    | III                           |



## Technical characteristics

|   |                             |
|---|-----------------------------|
| Insulation resistance                     | >10 <sup>8</sup> Ω          |
| Contact resistance                        | ≤10 mΩ                      |
| Tightening torque                         | 0.6 Nm                      |
| Wrench size (knurled screw / knurled nut) | 17                          |
| Ambient temperature                       | -40 ... +85 °C              |
| Mating cycles                             | ≥500                        |
| Degree of protection acc. to IEC 60529    | IP65 / IP67 mated condition |
| Cable diameter                            | 4.5 ... 8.8 mm              |
| Isolation group                           | I (600 ≤ CTI)               |

## Material properties

|                                      |  |
|--------------------------------------|--|
| Material (insert)                    | Polyamide (PA)   |
| 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 | Nickel<br>Lead<br>Naphthalene                          |

## 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 | 10     |
| Net weight     | 43.2 g |



Pushing Performance

## Commercial data

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

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