

## M12-M 8-polig / A-cod



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

|                    |                                                                               |
|--------------------|-------------------------------------------------------------------------------|
| Part number        | 21 03 121 1801                                                                |
| Specification      | M12-M 8-polig / A-cod                                                         |
| HARTING eCatalogue | <a href="https://harting.com/21031211801">https://harting.com/21031211801</a> |

### Identification

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

### Version

|                    |                 |
|--------------------|-----------------|
| Termination method | IDC termination |
| Gender             | Male            |
| Shielding          | Shielded        |
| Number of contacts | 8               |
| Coding             | A-coding        |
| Locking type       | Screw locking   |

### Technical characteristics

|                               |                               |
|-------------------------------|-------------------------------|
| Conductor cross-section       | 0.14 ... 0.34 mm <sup>2</sup> |
| Conductor cross-section [AWG] | AWG 26 ... AWG 22             |
| Wire outer diameter           | ≤1.6 mm                       |
| Rated current                 | 2 A                           |
| Rated voltage                 | 30 V                          |
| Rated impulse voltage         | 0.8 kV                        |
| Pollution degree              | 3                             |
| Overvoltage category          | II                            |



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## Technical characteristics

|                                        |                             |
|----------------------------------------|-----------------------------|
| Insulation resistance                  | $>10^8 \Omega$              |
| Contact resistance                     | $\leq 10 \text{ m}\Omega$   |
| Tightening torque                      | 0.4 Nm                      |
| Limiting temperature                   | -40 ... +85 °C              |
| Mating cycles                          | $\geq 100$                  |
| Degree of protection acc. to IEC 60529 | IP65 / IP67 mated condition |
| Cable diameter                         | 4 ... 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              |
| 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 | Lead<br>Nickel         |

## Specifications and approvals

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

## Commercial data

|                                |               |
|--------------------------------|---------------|
| Packaging size                 | 1             |
| Net weight                     | 38 g          |
| Country of origin              | Germany       |
| European customs tariff number | 85366990      |
| GTIN                           | 5713140137240 |
| ETIM                           | EC002635      |



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eCl@ss

27440116 Circular connector (for field assembly)