

## M12 Power IDC male L-coded



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

|                    |   |
|--------------------|---|
| Part number        | 21 03 296 1505  |
| Specification      | M12 Power IDC male L-coded  |
| HARTING eCatalogue | <a href="https://b2b.harting.com/21032961505">https://b2b.harting.com/21032961505</a> |

### Identification

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

### Version

|                                   |  |
|-----------------------------------|--|
| Termination method                | HARAX <sup>®</sup> connection technology |
| Gender                            | Male                                     |
| Shielding                         | Shielded                                 |
| Number of contacts                | 5  |
| Number of power contacts          | 4  |
| Number of special contacts        | 1  |
| Specification of special contacts | FE contact                               |
| Coding                            | L-coding                                 |
| Locking type                      | Screw locking                            |

### Technical characteristics

|                         |                              |
|-------------------------|------------------------------|
| Conductor cross-section | 0.75 ... 1.5 mm <sup>2</sup> |
| Conductor cross-section | AWG 18 ... AWG 16            |
| Rated current           | 12 A                         |
| Rated voltage           | 63 V                         |
| Rated impulse voltage   | 1.5 kV                       |



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## Technical characteristics

|   |                             |
|---|-----------------------------|
| Pollution degree                          | 3                           |
| Overvoltage category                      | III                         |
| Insulation resistance                     | $>10^8 \Omega$              |
| Contact resistance                        | $\leq 10 \text{ m}\Omega$   |
| Tightening torque                         | 0.6 Nm                      |
| Wrench size (knurled screw / knurled nut) | 17                          |
| Limiting temperature                      | -40 ... +85 °C              |
| Mating cycles                             | $\geq 100$                  |
| Degree of protection acc. to IEC 60529    | IP65 / IP67 mated condition |
| Cable diameter                            | 5.8 ... 13.5 mm             |
| Isolation group                           | I ( $600 \leq \text{CTI}$ ) |

## Material properties

|                                      |                               |
|--------------------------------------|-------------------------------|
| Material (insert)                    | Polyamide (PA)                |
| Colour (insert)                      | Grey                          |
| Material (contacts)                  | Copper alloy                  |
| 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<br>Naphthalene |
| Fire protection on railway vehicles  | EN 45545-2 (2020-08)          |
| Requirement set with Hazard Levels   | R26                           |

## Specifications and approvals

|                |  |
|----------------|--|
| Specifications | IEC 61076-2-111  |
| UL / CSA       | UL 2238 CYJV2.E302521<br>CSA-C22.2 No. 182.3 CYJV8.E302521 |



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## Specifications and approvals

|          |     |
|----------|-----|
| PROFINET | Yes |
|----------|-----|

## Commercial data

|                                |  |
|--------------------------------|--|
| Packaging size                 | 1  |
| Net weight                     | 74 g   |
| Country of origin              | Romania  |
| European customs tariff number | 85366990   |
| GTIN                           | 5713140227248                                    |
| ETIM                           | EC002635   |
| eCl@ss                         | 27440116 Circular connector (for field assembly) |