

M12 Power IDC female L-code/d



| Part number | 21 03 296 2505 |
|--------------------|-------------------------------------|
| Specification | M12 Power IDC female L-code/d |
| HARTING eCatalogue | https://b2b.harting.com/21032962505 |

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

Identification

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

Version

| Termination method | HARAX [®] connection technology |
|-----------------------------------|--|
| Gender | Female |
| 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 mm² |
|-------------------------|---------------|
| 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 Ω |
| Contact resistance | ≤10 mΩ |
| Tightening torque | 0.6 Nm |
| Wrench size (knurled screw / knurled nut) | 17 |
| Limiting temperature | -40 +85 °C |
| Mating cycles | ≥100 |
| Degree of protection acc. to IEC 60529 | IP65 / IP67 mated condition |
| Cable diameter | 5.8 13.5 mm |
| Isolation group | I (600 ≤ 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 Nickel 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 CSA-C22.2 No. 182.3 CYJV8.E302521 |

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Specifications and approvals

| PROFINET | Yes |
|--------------------------------|--|
| Commercial data | |
| Packaging size | 1 |
| Net weight | 60 g |
| Country of origin | Romania |
| European customs tariff number | 85366990 |
| GTIN | 5713140227255 |
| ETIM | EC002635 |
| eCl@ss | 27440116 Circular connector (for field assembly) |