Pushing Performance
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# PFT female L-coded 2.5mm²



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

| | |
|---|---|
| Part number | 21 03 599 2505 |
| Specification | PFT female L-coded 2.5mm² |
| HARTING eCatalogue | https://harting.com/21035992505 |

## Identification

| | |
|---|---|
| Category | Connectors |
| Series | Circular connectors M12 |
| Identification | Power |
| Element | Panel feed through |
| Specification | With conductors<br>for front mounting |

## Version

| | |
|---|---|
| Gender | Female |
| Shielding | Shielded |
| Number of contacts | 5 |
| Number of power contacts | 4 |
| Number of special contacts | 1x FE contact |
| Coding | L-coding |
| Locking type | Screw locking |

## Technical characteristics

| | |
|---|---|
| Conductor cross-section (mm²) | 2.5 mm² |
| Conductor cross-section (AWG) | AWG 14 |
| Rated current | 16 A |
| Rated voltage | 63 V |
| Rated impulse voltage | 1.5 kV |
| Pollution degree | 3 |


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## Technical characteristics

| | |
|---|---|
| Overvoltage category | III |
| Insulation resistance | $>10^8$ Ω |
| Contact resistance | ≤10 mΩ |
| Tightening torque | 2 Nm Lock nut |
| Wrench size | 17<br>18 |
| Limiting temperature | -40 ... +85 °C |
| Mating cycles | ≥100 |
| Degree of protection acc. to IEC 60529 | IP65 / IP67 mated condition |
| Isolation group | I (600 ≤ CTI) |
| Conductor length | 30 cm |

## 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 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 | Lead<br>Nickel |
| Fire protection on railway vehicles | EN 45545-2 (2020-08) + A1 (2023-10) |
| Requirement set with Hazard Levels | R26 |


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## Specifications and approvals

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

## Commercial data

| | |
|---|---|
| Packaging size | 1 |
| Net weight | 59 g |
| Country of origin | Romania |
| European customs tariff number | 85366990 |
| GTIN | 5713140227729 |
| eCl@ss | 27440103 Sensor-actuator connector chassis (sensor technology acturator) |
| UNSPSC 24.0 | 39121413 |


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