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# PFT female front L-coded 2.5mm² w/o FE



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

| | |
|---|---|
| Part number | 21 03 599 2506 |
| Specification | PFT female front L-coded 2.5mm² w/o FE |
| HARTING eCatalogue | https://b2b.harting.com/21035992506 |

## Identification

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

## Version

| | |
|---|---|
| Gender | Female |
| Shielding | Unshielded |
| Number of contacts | 4 |
| Coding | L-coding |
| Locking type | Screw locking |

## Technical characteristics

| | |
|---|---|
| Conductor cross-section | 2.5 mm² |
| Conductor cross-section | AWG 14 |
| Rated current | 16 A |
| Rated voltage | 63 V |
| Rated impulse voltage | 1.5 kV |
| Pollution degree | 3 |
| Overvoltage category | III |
| Insulation resistance | $>10^8$ Ω |


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## Technical characteristics

| | |
|---|---|
| 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) | Black |
| 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 |

## 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 |


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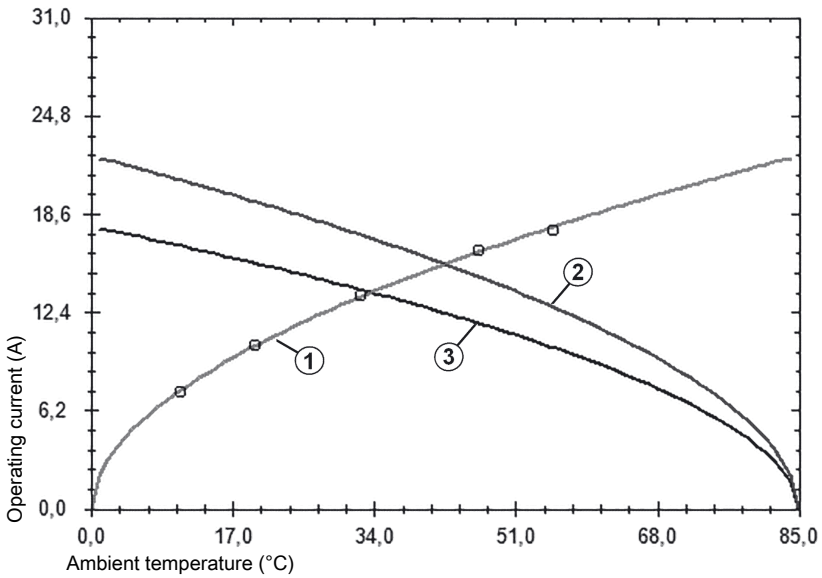
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## Commercial data

| | |
|---|---|
| Packaging size | 1 |
| Net weight | 51.8 g |
| Country of origin | Romania |
| European customs tariff number | 85366990 |
| eCl@ss | 27440103 Sensor-actuator connector chassis (sensor technology acc.) |

## Current carrying capacity

The current carrying capacity of the connectors is limited by the thermal load capability of the contact element material including the connections and the insulating parts. The derating curve is therefore valid for currents which flow constantly (non-intermittent) through each contact element of the connector evenly, without exceeding the allowed maximum temperature.
Measuring and testing techniques acc. to IEC 60512-5-2




① Heating
② Derating curve
③ Derating curve 80%
Conductor cross-section 2.5 mm²


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