

## PFT male front L-coded 1.5mm<sup>2</sup> w/o FE



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

|                    |   |
|--------------------|---|
| Part number        | 21 03 596 1506  |
| Specification      | PFT male front L-coded 1.5mm <sup>2</sup> w/o FE                                      |
| HARTING eCatalogue | <a href="https://b2b.harting.com/21035961506">https://b2b.harting.com/21035961506</a> |

### Identification

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

### Version

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

### Technical characteristics

|                         |                     |
|-------------------------|---------------------|
| Conductor cross-section | 1.5 mm <sup>2</sup> |
| Conductor cross-section | AWG 16              |
| Rated current           | 16 A                |
| Rated voltage           | 63 V                |
| Rated impulse voltage   | 1.5 kV              |
| Pollution degree        | 3                   |
| Insulation resistance   | >10 <sup>8</sup> Ω  |
| Contact resistance      | ≤10 mΩ              |



Pushing Performance

## Technical characteristics

|  |                        |
|--|------------------------|
| Tightening torque                      | 2 Nm Lock nut          |
| Wrench size                            | 20                     |
| Ambient temperature                    | -40 ... +85 °C         |
| Mating cycles                          | ≥100                   |
| Degree of protection acc. to IEC 60529 | IP65 / IP67 when mated |
| Overvoltage category                   | III                    |
| Isolation group                        | I (600 ≤ CTI)          |
| Conductor length                       | 30 cm                  |

## Material properties

|                             |  |
|-----------------------------|--|
| Material (insert)           | Polyamide (PA)   |
| Colour (insert)             | Black  |
| Material (contacts)         | Copper alloy   |
| Surface (contacts)          | Gold plated  |
| 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 | No   |
| REACH ANNEX XIV substances  | No   |
| REACH SVHC substances       | Yes  |
| REACH SVHC 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  |

## Commercial data

|                   |         |
|-------------------|---------|
| Packaging size    | 1       |
| Net weight        | 42 g    |
| Country of origin | Romania |

## Commercial data

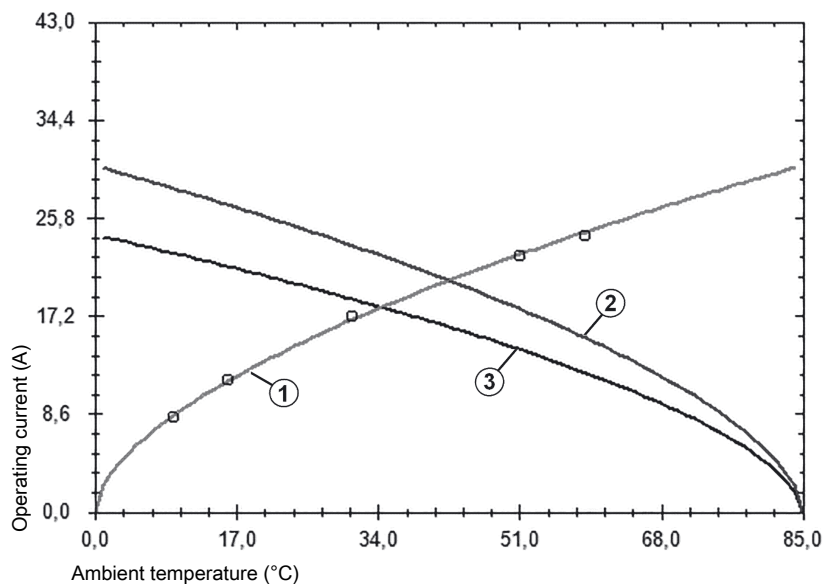
European customs tariff number 85366990

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 mm<sup>2</sup>