

# PFT male front L-coded 2.5mm<sup>2</sup> w/o FE



Part number	21 03 599 1506
Specification	PFT male front L-coded 2.5mm <sup>2</sup> w/o FE
HARTING eCatalogue	https://b2b.harting.com/21035991506

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

### Identification

Category	Connectors
Series	Circular connectors M12
Identification	Power
Element	Panel feed through
Specification	With conductors for front mounting

#### Version

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

## **Technical characteristics**

Conductor cross-section	2.5 mm <sup>2</sup>
Conductor cross-section	AWG 14
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

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## Technical characteristics

Tightening torque	2 Nm Lock nut
Wrench size	17 18
Ambient temperature	-40 +85 °C
Mating cycles	≥100
Degree of protection acc. to IEC 60529	IP65 / IP67 mated condition
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 CSA-C22.2 No. 182.3 CYJV8.E302521
PROFINET	Yes
Commercial data	
Packaging size	1
Net weight	50 g
Country of origin	Romania

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## Commercial data

#### European customs tariff number

#### eCl@ss

85366990

#### 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 (nonintermittent) through each contact element of the connector evenly, without exceeding the allowed maximum temperature.

Measuring and testing techniques acc. to IEC 60512-5-2

43,0 34,4 25,8 17,2 Operating current (A) 3 (1)8,6 0,0 0,0 17,0 34,0 51,0 68,0 85,0 Ambient temperature (°C)

27440103 Sensor-actuator connector chassis (sensor technology acc.)

#### Heating

② Derating curve

③ Derating curve 80%

Conductor cross-section 2.5 mm<sup>2</sup>

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