Pushing Performance
Since 1945

PFT female L-coded 1.5mm²



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

Part number	21 03 596 2505
Specification	PFT female L-coded 1.5mm²
HARTING eCatalogue	https://b2b.harting.com/21035962505

Identification

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

Version

Gender	Female
Shielding	Unshielded
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	1.5 mm²
Conductor cross-section	AWG 16
Rated current	16 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	2 Nm Lock nut
Wrench size	17 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	ba9f6f96-3ce5-4eaf-9782-1859ca585f85
California Proposition 65 substances	Yes
California Proposition 65 substances	Lead
Fire protection on railway vehicles	EN 45545-2 (2020-08)
Requirement set with Hazard Levels	R26

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Specifications and approvals

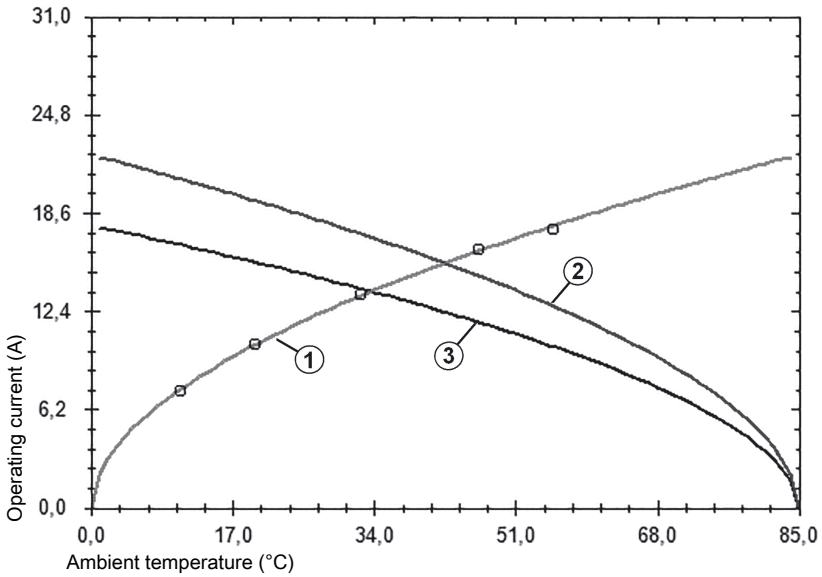
Specifications	IEC 61076-2-111
UL / CSA	UL 2238 CYJV2.E302521 CSA-C22.2 No. 182.3 CYJV8.E302521
PROFINET	Yes

Commercial data

Packaging size	1
Net weight	49.4 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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