Pushing Performance

PCB receptacle male L-coded (60 pcs)

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

Part number	21 03 396 1505
Specification	PCB receptacle male L-coded (60 pcs)
HARTING eCatalogue	https://b2b.harting.com/21033961505

Identification

Category	Connectors
Series	Circular connectors M12
Identification	Power
Element	PCB adapter
Specification	Straight

Version

Termination method	Reflow soldering termination (THR)
Gender	Male
Shielding	Shielded
Number of contacts	4
FE contact	Yes
Coding	L-coding
Details	Order housings separately
Pack contents	60 pieces in a tray

Technical characteristics

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
Ambient temperature	-40 ... +85 °C
Mating cycles	≥100
Isolation group	I (600 ≤ CTI)

Material properties

Material (insert)	Polyamide (PA)
Colour (insert)	Grey
Material (contacts)	Copper alloy
Surface (contacts)	Au over Ni Mating side
Material flammability class acc. to UL 94	V-0
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	Nickel Lead

Specifications and approvals

Specifications	IEC 61076-2-111
PROFINET	Yes

Commercial data

Packaging size	60
Net weight	3 g
Country of origin	Romania
European customs tariff number	85366990

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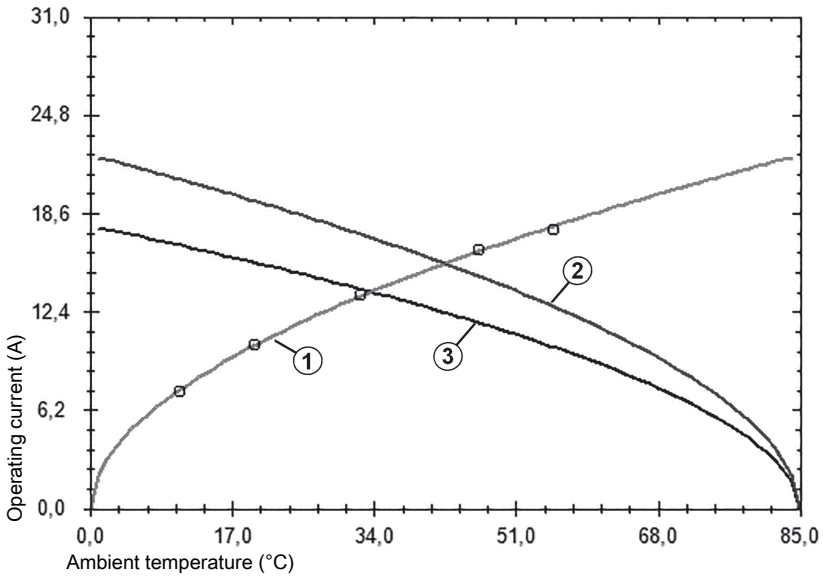
eCl@ss	27460201 PCB connector (board connector)

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 1.5 mm²

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