Pushing Performance
Since 1945

M12-PCB-THR-2PC-5P-KCOD-M-STR-SHLD

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

Part number	21 03 309 1505
Specification	M12-PCB-THR-2PC-5P-KCOD-M-STR-SHLD
HARTING eCatalogue	https://b2b.harting.com/21033091505

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	5
Number of power contacts	4
Number of special contacts	1
Specification of special contacts	PE contact
Coding	K-coding
Details	Order housings separately
Pack contents	60 pieces in a tray

Technical characteristics

Rated current	12 A
Rated voltage	630 V
Rated impulse voltage	6 kV
Pollution degree	3

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Technical characteristics

Overvoltage category	III
Insulation resistance	$>10^8$ Ω
Contact resistance	≤10 mΩ
Limiting temperature	-40 ... +125 °C
Mating cycles	≥100
Isolation group	I (600 ≤ CTI)

Material properties

Material (insert)	Polyamide (PA)
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
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

Specifications and approvals

Specifications	IEC 61076-2-111

Commercial data

Packaging size	60
Net weight	70 g
Country of origin	Romania
European customs tariff number	85366990
GTIN	5713140228351

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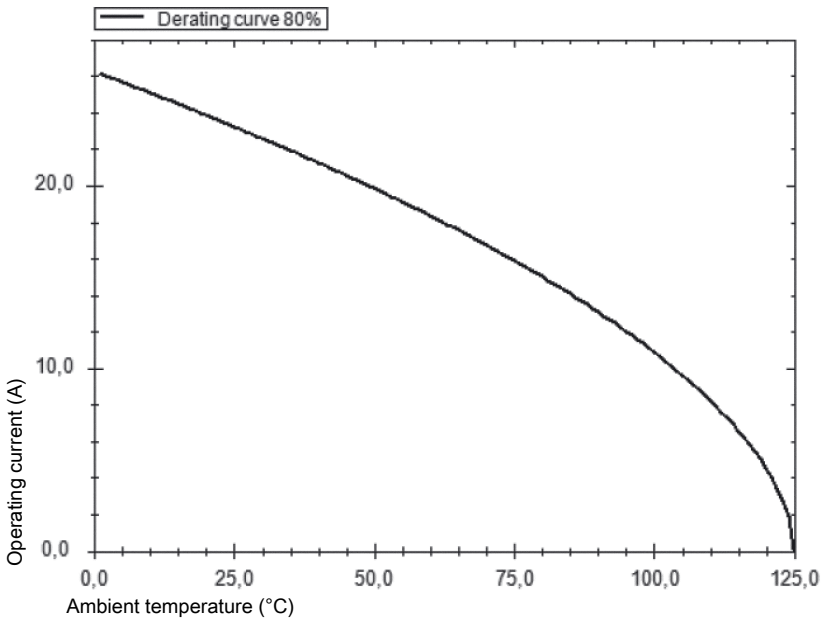
eCl@ss	27460201 PCB connector (board connector)

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



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