Pushing Performance
Since 1945

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



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

Part number	21 03 309 2505
Specification	M12-PCB-THR-2PC-5P-KCOD-F-STR-SHLD
HARTING eCatalogue	https://harting.com/21033092505

Identification

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

Version

Termination method	Reflow soldering termination (THR)
Gender	Female
Shielding	Shielded
Number of contacts	5
Number of power contacts	4
Number of special contacts	1x 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
Overvoltage category	III

HARTING Electronics GmbH | Marienwerderstraße 3 | 32339 Espelkamp | Germany
Phone +49 5772 47-97200 | electronics@HARTING.com | www.HARTING.com

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Technical characteristics

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) + A1 (2023-10)
Requirement set with Hazard Levels	R26

Specifications and approvals

Specifications	IEC 61076-2-111

Commercial data

Packaging size	60
Net weight	9.5 g
Country of origin	Romania
European customs tariff number	85366990
GTIN	5713140228375
eCl@ss	27460201 PCB connector (board connector)

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ETIM	EC002637
UNSPSC 24.0	39121415

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