

## M12 Power S - PCB male



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

### 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
Number of power contacts	3
Number of special contacts	1
Specification of special contacts	PE contact
Coding	S-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

## Technical characteristics

Overvoltage category	III
Insulation resistance	$>10^8 \Omega$
Contact resistance	$\leq 10 \text{ m}\Omega$
Limiting temperature	-40 ... +125 °C
Mating cycles	$\geq 100$
Isolation group	I (600 $\leq$ 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
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## Commercial data

Packaging size	60
Net weight	9 g
Country of origin	Romania
European customs tariff number	85366990
GTIN	5713140228559

## Commercial data

ETIM	EC002637
eCl@ss	27460201 PCB connector (board connector)