

PCB receptacle M L-cod (60pcs) W/O FE



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
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	$>10^8 \Omega$
Contact resistance	$\leq 10 \text{ m}\Omega$

Technical characteristics

Limiting temperature -40 ... +85 °C

Mating cycles ≥100

Isolation group I (600 ≤ CTI)

Material properties

Material (insert) Polyamide (PA)

Colour (insert) Black

Material (contacts) Copper alloy

Surface (contacts) Au over Ni Mating side

Material flammability class acc. to UL 94 V-0

RoHS compliant

ELV status compliant

China RoHS e

REACH Annex XVII substances Not contained

REACH ANNEX XIV substances Not contained

REACH SVHC substances Not contained

Fire protection on railway vehicles EN 45545-2 (2020-08)

Requirement set with Hazard Levels R26

Specifications and approvals

Specifications IEC 61076-2-111

UL / CSA UL 1977 ECBT2.E102079
CSA-C22.2 No. 182.3 ECBT8.E102079

PROFINET Yes

Commercial data

Packaging size 60

Net weight 10 g

Country of origin Romania

European customs tariff number 85366990

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

