



Pushing Performance
Since 1945

M12 Power S - PCB male front 1pc



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

Part number	21 03 309 1431
Specification	M12 Power S - PCB male front 1pc
HARTING eCatalogue	https://harting.com/21033091431

Identification

Category	Connectors
Series	Circular connectors M12
Identification	Power PushPull
Element	PCB adapter
Specification	Straight for front mounting

Version

Termination method	Reflow soldering termination (THR)
Gender	Male
Shielding	Shielded
Number of contacts	4
Number of power contacts	3
Number of special contacts	1x PE contact
Coding	S-coding
Locking type	Screw locking PushPull
Pack contents	incl. housing

Technical characteristics

Rated current	12 A
Rated voltage	630 V
Rated impulse voltage	6 kV



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Technical characteristics

Pollution degree	3
Overvoltage category	III
Insulation resistance	$>10^8 \Omega$
Contact resistance	$\leq 10 \text{ m}\Omega$
Tightening torque	2 Nm Lock nut
Limiting temperature	-40 ... +125 °C
Mating cycles	≥ 100
Degree of protection acc. to IEC 60529	IP65 / IP67 mated condition
Isolation group	I ($600 \leq \text{CTI}$)

Material properties

Material (insert)	Polyamide (PA)
Material (contacts)	Copper alloy
Surface (contacts)	Au over Ni Mating side
Material (seal)	NBR
Colour (seal)	Grey
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
	IEC 61076-2-010



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Commercial data

Packaging size	1
Net weight	32.029 g
Country of origin	Romania
European customs tariff number	85366990
GTIN	5713140228597
eCl@ss	27460201 PCB connector (board connector)
ETIM	EC002637
UNSPSC 24.0	39121415