

PCB receptacle male front A-cod 8-pole



Part number	21 03 321 1831
Specification	PCB receptacle male front A-cod 8-pole
HARTING eCatalogue	https://b2b.harting.com/21033211831

Identification

Category	Connector
Series	Circular connectors M12
Element	PCB adapter
Specification	Straight incl. housing for front mounting

Version

Termination method	Reflow soldering termination (THR/SMC)
Gender	Male
Locking type	Screw locking
Shielding	Shielded
Number of contacts	8
Coding	A-coding

Technical characteristics

Rated current	2 A
Rated voltage	30 V
Rated impulse voltage	1.5 kV
Pollution degree	3
Insulation resistance	$> 10^8 \Omega$
Contact resistance	$\leq 10 \text{ m}\Omega$
Ambient temperature	-40 ... +85 °C
Mating cycles	≥ 100



Pushing Performance

Technical characteristics

Degree of protection acc. to IEC 60529	IP67
Overvoltage category	III
Isolation group	I ($600 \leq CTI$)

Material properties

Material (insert)	LCP
Material (contacts)	Copper alloy
Surface (contacts)	Gold plated
Material (hood/housing)	Zinc die-cast
RoHS	compliant with exemption
RoHS exemptions	6c: Copper alloy containing up to 4 % lead by weight
ELV status	compliant with exemption
China RoHS	50
REACH Annex XVII substances	No
REACH ANNEX XIV substances	No
REACH SVHC substances	Yes
REACH SVHC substances	Lead

Specifications and approvals

Specifications	IEC 61076-2-101
UL / CSA	UL 1977 ECBT2.E102079 CSA-C22.2 No. 182.3 ECBT8.E102079

Commercial data

Packaging size	60
Net weight	30.8 g
Country of origin	Germany
European customs tariff number	85366990
eCl@ss	27440402 PCB connector