

# M12 CAT6a Bu gerade



Part number	21 03 381 2806
Specification	M12 CAT6a Bu gerade
HARTING eCatalogue	https://b2b.harting.com/21033812806

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

#### Identification

Category	Connectors
Series	Circular connectors M12
Element	PCB adapter
Specification	Straight

## Version

Termination method	Reflow soldering termination (THR)
Gender	Female
Shielding	Shielded
Number of contacts	8
Coding	X-coding
Details	Order housings separately
Pack contents	60 pieces in a tray

#### **Technical characteristics**

Rated current	0.5 A
Rated voltage	50 V
Rated impulse voltage	0.8 kV
Pollution degree	3
Transmission characteristics	Cat. 6 <sub>A</sub> Class E <sub>A</sub> up to 500 MHz
Overvoltage category	III

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# **Technical characteristics**

Data rate	10 Mbit/s
	100 Mbit/s
	1 Gbit/s
	2.5 Gbit/s
	5 Gbit/s
	10 Gbit/s
Insulation resistance	>10 <sup>8</sup> Ω
Contact resistance	≤10 mΩ
Limiting temperature	-40 +85 °C
Mating cycles	≥100
Isolation group	IIIa (175 ≤ CTI < 400)

#### Material properties

Specifications

Material (insert)	Liquid crystal polymer (LCP)
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
ECHA SCIP number	0d7d3693-d625-47ab-934a-d241bf72c86e
California Proposition 65 substances	Yes
California Proposition 65 substances	Lead Nickel Naphthalene
Fire protection on railway vehicles	EN 45545-2 (2020-08)
Requirement set with Hazard Levels	R26
Specifications and approvals	

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IEC 61076-2-109

Product data sheet 21 03 381 2806 M12 CAT6a Bu gerade



## Specifications and approvals

UL / CSA	UL 1977 ECBT2.E102079 CSA-C22.2 No. 182.3 ECBT8.E102079
PROFINET	Yes
Commercial data	
Packaging size	60
Net weight	6 g
Country of origin	Romania
European customs tariff number	85366990
GTIN	5713140138254
ETIM	EC002637
eCl@ss	27460201 PCB connector (board connector)

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