Pushing Performance
Since 1945

M12 CAT6a Bu gerade HWM



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

Part number	21 03 381 2810
Specification	M12 CAT6a Bu gerade HWM
HARTING eCatalogue	https://b2b.harting.com/21033812810

Identification

Category	Connectors
Series	Circular connectors M12
Element	PCB adapter
Specification	Straight incl. housing for rear mounting

Version

Termination method	Reflow soldering termination (THR)
Gender	Female
Shielding	Shielded
Number of contacts	8
Coding	X-coding
Locking type	Screw locking
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_A Class E_A 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	>10^8 Ω
Contact resistance	≤10 mΩ
Tightening torque	2 Nm Lock nut
Limiting temperature	-40 ... +85 °C
Mating cycles	≥100
Degree of protection acc. to IEC 60529	IP65 / IP67 mated condition
Isolation group	IIIa (175 ≤ CTI < 400)

Material properties

Material (insert)	Liquid crystal polymer (LCP)
Material (contacts)	Copper alloy
Surface (contacts)	Au over Ni Mating side
Material (hood/housing)	Zinc die-cast
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	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol 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)

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Material properties

Requirement set with Hazard Levels	R26

Specifications and approvals

Specifications	IEC 61076-2-109
UL / CSA	UL 1977 ECBT2.E102079 CSA-C22.2 No. 182.3 ECBT8.E102079

Commercial data

Packaging size	60
Net weight	20 g
Country of origin	Romania
European customs tariff number	85389099
eCl@ss	27460201 PCB connector (board connector)

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