Pushing Performance
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M12 PP male X-cod 8-pole crimpflange



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

Part number	21 03 881 1833
Specification	M12 PP male X-cod 8-pole crimpflange
HARTING eCatalogue	https://harting.com/21038811833

Identification

Category	Connectors
Series	Circular connectors M12
Identification	PushPull
Element	Cable connector
Specification	Straight

Version

Termination method	Crimp termination
Gender	Male
Shielding	Shielded Shield connection with crimp flange
Number of contacts	8
Coding	X-coding
Locking type	PushPull (outer)
Details	Please order crimp contacts separately. Please order crimp flange set separately.
Details	For Ethernet applications up to 10 Gbit only

Technical characteristics

Conductor cross-section (mm²)	0.08 ... 0.25 mm²
Conductor cross-section (AWG)	AWG 28 ... AWG 23
Wire outer diameter	≤1.4 mm
Rated current	0.5 A
Rated voltage	48 V

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Technical characteristics

Rated impulse voltage	0.8 kV
Pollution degree	3
Transmission characteristics	Cat. 6_A Class E_A up to 500 MHz
Overvoltage category	III
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
Limiting temperature	-40 ... +85 °C
Mating cycles	≥500
Degree of protection acc. to IEC 60529	IP65 / IP67 mated condition
Isolation group	I (600 ≤ CTI)

Material properties

Material (insert)	Liquid crystal polymer (LCP)
Material (hood/housing)	Zinc die-cast
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
Fire protection on railway vehicles	EN 45545-2 (2020-08) + A1 (2023-10)
Requirement set with Hazard Levels	R22 (HL 1-3) R23 (HL 1-3)

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Specifications and approvals

Specifications	IEC 61076-2-109 IEC 61076-2-010

Commercial data

Packaging size	1
Net weight	54.8 g
Country of origin	Romania
European customs tariff number	85366990
GTIN	5713140227057
eCl@ss	27440116 Circular connector (for field assembly)
ETIM	EC002635
UNSPSC 24.0	39121413

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