Pushing Performance
Since 1945

Han M12 Crimp X-coded male



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

Part number	09 14 881 1805
Specification	Han M12 Crimp X-coded male
HARTING eCatalogue	https://harting.com/09148811805

Identification

Category	Inserts
Series	Han-Modular®

Version

Termination method	Crimp termination
Gender	Male
Number of contacts	8
further contacts	+ shielding
Coding	X-coding
Details	Please order crimp contacts separately.

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	32 V
Rated impulse voltage	0.8 kV
Pollution degree	3
Transmission characteristics	Cat. 6_A Class E_A up to 500 MHz

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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
Contact resistance, shielding	≤100 mΩ
Tightening torque	0.6 Nm
Wrench size	12 13
Limiting temperature	-40 ... +85 °C
Mating cycles	≥500
Cable diameter	5.5 ... 8.7 mm

Material properties

Material (insert)	Liquid crystal polymer (LCP)
Material (shielding)	Copper alloy, nickel plated
Material flammability class acc. to UL 94	V-0
RoHS	compliant
ELV status	compliant
China RoHS	e
REACH Annex XVII substances	Not contained
REACH ANNEX XIV substances	Not contained
REACH SVHC substances	Not contained
California Proposition 65 substances	Not contained
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)

Specifications and approvals

Specifications	IEC 60664-1 IEC 61984 IEC 61373 Category 1 Class B

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Commercial data

Packaging size	1
Net weight	16 g
Country of origin	Romania
European customs tariff number	85366990
GTIN	5713140187801
eCl@ss	27440205 Contact insert for industrial connectors
ETIM	EC000438
UNSPSC 24.0	39121522

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