Pushing Performance
Since 1945

Han 1A-M12-f X-coded



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

Part number	09 10 008 3106
Specification	Han 1A-M12-f X-coded
HARTING eCatalogue	https://b2b.harting.com/09100083106

Identification

Category	Inserts
Series	Han® 1A

Version

Termination method	Crimp termination
Gender	Female
Size	1 A
Shielding	With cable tie
Number of contacts	8
further contacts	+ shielding
Locking type	Single locking lever
Details	Please order crimp contacts separately. Please order locking lever separately. Order separately the hoods/housings for an IP65 performance. Contact insert not compatible with 09 10 000 0800 (bulkhead mounted housing, angled)
Details	A Han® 1A configuration that only consists of inserts (with or without strain relief, 09 10 000 5300) is an unenclosed connector according to IEC 61984. In this case protection against electric shock must be provided by the installation methods of the user. Contact inserts must not be coupled or decoupled under electrical load. Contact inserts must not be powered-up in the un-mated condition.

Technical characteristics

Conductor cross-section	0.08 ... 0.25 mm²
Rated current	0.5 A

Pushing Performance
Since 1945

Technical characteristics

Rated voltage	48 V
Rated impulse voltage	0.8 kV
Pollution degree	3
Transmission characteristics	Cat. 6_A Class E_A up to 500 MHz
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
Limiting temperature	-30 ... +90 °C
Mating cycles	≥100
Degree of protection acc. to IEC 60529	IP20

Material properties

Material (insert)	Polyamide (PA)
Colour (insert)	RAL 9005 (jet black)
Material (seal)	NBR
Colour (seal)	Black
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	Yes
REACH SVHC substances	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol
California Proposition 65 substances	Not contained
Fire protection on railway vehicles	EN 45545-2 (2020-08)
Requirement set with Hazard Levels	R22 (HL 1-3) R23 (HL 1-3)

Pushing Performance
Since 1945

Specifications and approvals

Specifications	EN 45545-2 Fire protection on railway vehicles IEC 61373 Category 1 Class B IEC 60664-1 IEC 61984
Approvals	DNV GL
UL / CSA	UL 1977 ECBT2.E235076 CSA-C22.2 No. 182.3 ECBT8.E235076 Please contact your local HARTING subsidiary for further information.

Commercial data

Packaging size	1
Net weight	30 g
Country of origin	Romania
European customs tariff number	85366990
GTIN	5713140185630
eCl@ss	27440205 Contact insert for industrial connectors