



Pushing Performance  
Since 1945

# Han 1A-M12-f X-coded, latch



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

Part number	09 10 008 3101
Specification	Han 1A-M12-f X-coded, latch
HARTING eCatalogue	<a href="https://b2b.harting.com/09100083101">https://b2b.harting.com/09100083101</a>

## 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	Snap-in latches

Details	Please order crimp contacts 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
Rated voltage	48 V



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## Technical characteristics

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
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
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	Not contained
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)

## Specifications and approvals

Specifications	EN 45545-2 Fire protection on railway vehicles
	IEC 61373 Category 1 Class B
	IEC 60664-1
	IEC 61984



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Specifications and approvals

UL / CSA	UL 1977 ECBT2.E235076
	CSA-C22.2 No. 182.3 ECBT8.E235076
	Please contact your local HARTING subsidiary for further information.
Approvals	DNV GL

Commercial data

Packaging size	1
Net weight	3 g
Country of origin	Romania
European customs tariff number	85366990
GTIN	5713140185623
ETIM	EC000438
eCl@ss	27440205 Contact insert for industrial connectors