

## 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 <sup>®</sup> 1A

### Version

Termination method	Crimp termination
Gender	Female
Locking type	Snap-in latches
Size	1 A
Shielding	With cable tie
Number of contacts	8
further contacts	+ shielding

Details	<p>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)</p>
Details	<p>A Han<sup>®</sup> 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.</p> <p>Contact inserts must not be coupled or decoupled under electrical load.          Contact inserts must not be powered-up in the un-mated condition.</p>

### Technical characteristics

Conductor cross-section	0.08 ... 0.25 mm <sup>2</sup>
Rated current	0.5 A
Rated voltage	48 V



Pushing Performance

## 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 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 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	No
REACH ANNEX XIV substances	No
REACH SVHC substances	Yes
REACH SVHC substances	Lead

## Specifications and approvals

Specifications	EN 45545-2 R22: HL1, HL2, HL3 EN 45545-2 R23: HL1, HL2, HL3 EN 45545-2 R24: HL1, HL2, HL3 IEC 61373 Category 1 Class B EN 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.



Pushing Performance

## Commercial data

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