

# Han 1A-M12-f D-coded



Part number	09 10 004 3106
Specification	Han 1A-M12-f D-coded
HARTING eCatalogue	https://b2b.harting.com/09100043106

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

# Identification

Category	Inserts
Series	Han <sup>®</sup> 1A

### Version

Termination method	Crimp termination
Gender	Female
Locking type	Single locking lever
Size	1 A
Shielding	With cable tie
Number of contacts	4
further contacts	+ shielding
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 <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. 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 0.13 ... 0.82 mm² Rated current 4 A

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#### Technical characteristics

Rated voltage	48 V AC 60 V DC
Rated impulse voltage	1.5 kV
Pollution degree	3
Transmission characteristics	Cat. 5 Class D up to 100 MHz
Data rate	100 Mbit/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

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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
eCl@ss	27440205 Contact insert for industrial connectors

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