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# Han 1A-2+PE-s-f

TIGHT IN ZITE ST		
	Part number	09 10 002 2705
	Specification	Han 1A-2+PE-s-f
	HARTING eCatalogue	https://b2b.harting.com/09100022705

### Identification

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

#### Version

Termination method	Screw termination
Gender	Female
Size	1 A
Number of contacts	2
PE contact	Yes
Locking type	Single locking lever
Details	Please order locking lever separately.  Order separately the single wire seal or the hoods/housings for an IP65 performance.
	A Han <sup>®</sup> 1A configuration that only consists of inserts (with or without strain relief, 09 10 000 5300) is an unenclosed connector. In this case protection against electric shock must be provided by the installation methods of the user.
Details	Contact inserts must not be coupled or decoupled under electrical load.
Dotailo	Contact inserts must not be powered-up in the un-mated condition.
	Contact inserts with screw termination technology (2+PE and 3+PE) only differ in the number of contacts. If both variants are used in one application, the user must prevent incorrect mating! Safety instructions according to VDE 0100-410, Chapter 414.4.3 and EN 60204-1, Chapter 13.4.5 d) must be observed.

# Technical characteristics

Conductor cross-section	0.75 1.5 mm²
Rated current	10 A
Rated voltage conductor-earth	230 V
Rated voltage conductor-conductor	400 V

Page 1 / 3 | Creation date 2024-03-13 | Please note that the data specified here were taken as extracts from the online catalogue. Please refer to the user documentation for the complete and up-to-date information and data. Please also note that the user is responsible for validating functionality, conformity with applicable laws and directives, as well as for the electrical safety in the particular application.

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### Technical characteristics

Rated impulse voltage	4 kV
Pollution degree	3
Insulation resistance	>10 <sup>8</sup> Ω
Tightening torque	0.25 Nm
Limiting temperature	-30 +90 °C
Mating cycles	≥100
Degree of protection acc. to IEC 60529	IP20

#### Material properties

Material properties	
Material (insert)	Polyamide (PA)
Colour (insert)	RAL 9005 (jet black)
Material (contacts)	Copper alloy
Surface (contacts)	Silver plated
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	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 Lead
ECHA SCIP number	5dbb3851-b94e-4e88-97a1-571845975242
California Proposition 65 substances	Yes
California Proposition 65 substances	Lead
Fire protection on railway vehicles	EN 45545-2 (2020-08)
Requirement set with Hazard Levels	R22 (HL 1-3) R23 (HL 1-3)

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# Specifications and approvals

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

#### Commercial data

Packaging size	1
Net weight	13.3 g
Country of origin	Germany
European customs tariff number	85366990
ETIM	EC000438
eCl@ss	27440205 Contact insert for industrial connectors