

## Han K 3/2 Pos. Female Insert Screw

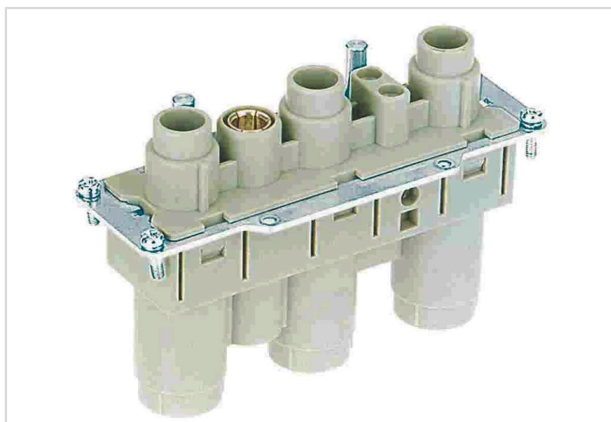


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Part number	09 38 005 2701
Specification	Han K 3/2 Pos. Female Insert Screw
HARTING eCatalogue	<a href="https://harting.com/09380052701">https://harting.com/09380052701</a>

### Identification

Category	Inserts
Series	Han-Com®
Identification	Han® K 3/2
Specification	Straight

### Version

Termination method	Axial screw termination / screw termination
Gender	Female
Size	24 B
Number of contacts	5
Number of signal contacts	2
Number of power contacts	3
PE contact	Yes

### Technical characteristics

Conductor cross-section	35 ... 70 mm² Power
	0.5 ... 2.5 mm² Signal
	16 ... 35 mm² PE
Rated current	200 A
Rated voltage conductor-earth	1,150 V
Rated voltage conductor-conductor	2,000 V
Rated impulse voltage	8 kV
Pollution degree	3



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## Technical characteristics

Rated current (signal)	16 A
Rated voltage (signal)	400 V
Rated impulse voltage (signal)	6 kV
Pollution degree (signal)	3
Rated current acc. to UL	200 A
Rated voltage acc. to UL	600 V
Rated current acc. to UL (signal)	16 A
Rated voltage acc. to UL (signal)	600 V
Rated current acc. to CSA	160 A
Rated voltage acc. to CSA	600 V
Rated current acc. to CSA (signal)	16 A
Rated voltage acc. to CSA (signal)	600 V
Insulation resistance	$>10^{10} \Omega$
Contact resistance	$\leq 0.2 \text{ m}\Omega$
Contact resistance, signal area	$\leq 1 \text{ m}\Omega$
Stripping length	22 mm
	7 mm Signal contacts
	14 mm PE contact
Tightening torque	8 Nm @ 35 mm <sup>2</sup>
	9 Nm @ 50 mm <sup>2</sup>
	10 Nm @ 70 mm <sup>2</sup>
	0.5 Nm Signal contacts
	6 Nm PE contact
Limiting temperature	-40 ... +125 °C
Mating cycles	$\geq 500$

## Material properties

Material (insert)	Polycarbonate (PC)
Colour (insert)	RAL 7032 (pebble grey)
Material (contacts)	Copper alloy
Surface (contacts)	Silver plated
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



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## Material properties

REACH Annex XVII substances	Not contained
REACH ANNEX XIV substances	Not contained
REACH SVHC substances	Yes
REACH SVHC substances	Lead
ECHA SCIP number	5dbb3851-b94e-4e88-97a1-571845975242
California Proposition 65 substances	Yes
California Proposition 65 substances	Lead Nickel
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	IEC 60664-1 IEC 61984
UL / CSA	UL 1977 ECBT2.E235076 CSA-C22.2 No. 182.3 ECBT8.E235076
Approvals	DNV GL

## Commercial data

Packaging size	1
Net weight	280 g
Country of origin	Romania
European customs tariff number	85366990
GTIN	5713140056176
ETIM	EC000438
eCl@ss	27440205 Contact insert for industrial connectors