

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

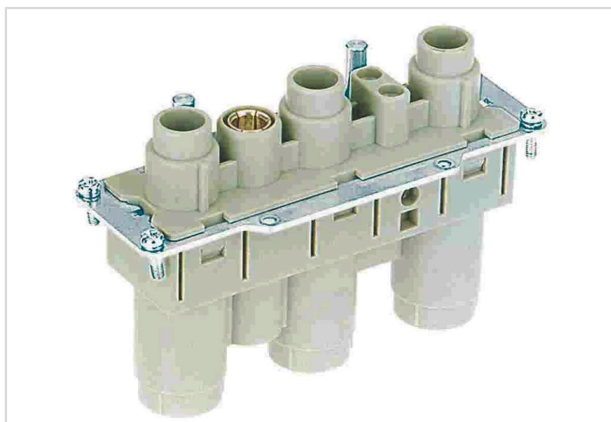


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Part number	09 38 005 2701
Specification	Han K 3/2 Pos. Female Insert Screw
HARTING eCatalogue	<a href="https://harting.com/09380052701">https://harting.com/09380052701</a>

### 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
	25 ... 40 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
	0.5 Nm Fixing screws M3
Recommended screw driver	Slotted 0.6 x 3.5 PH2
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



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## Material properties

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	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) + A1 (2023-10)
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
eCl@ss	27440205 Contact insert for industrial connectors
ETIM	EC000438
UNSPSC 24.0	39121522