

## Han K 6/6 Pos. M Insert



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

Part number	09 38 012 2651
Specification	Han K 6/6 Pos. M Insert
HARTING eCatalogue	<a href="https://harting.com/09380122651">https://harting.com/09380122651</a>

### Identification

Category	Inserts
Series	Han-Com®
Identification	Han® K 6/6

### Version

Termination method	Axial screw termination / screw termination
Gender	Male
Size	24 B
Number of contacts	12
Number of signal contacts	6
Number of power contacts	6
PE contact	Yes

### Technical characteristics

Conductor cross-section	16 ... 35 mm² Power 0.2 ... 2.5 mm² Signal
Wire outer diameter	≤11.4 mm
Rated current	100 A
Rated voltage	690 V
Rated impulse voltage	8 kV
Pollution degree	3
Rated current (signal)	16 A
Rated voltage (signal)	400 V



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## Technical characteristics

Rated impulse voltage (signal)	6 kV
Pollution degree (signal)	3
Rated current acc. to UL	100 A
Rated voltage acc. to UL	600 V
Rated current acc. to UL (signal)	16 A
Rated voltage acc. to UL (signal)	300 V
Rated current acc. to CSA	100 A
Rated voltage acc. to CSA	600 V
Rated current acc. to CSA (signal)	15 A
Rated voltage acc. to CSA (signal)	600 V
Insulation resistance	$>10^{10} \Omega$
Contact resistance	$\leq 0.5 \text{ m}\Omega$
Contact resistance, signal area	$\leq 3 \text{ m}\Omega$
Stripping length	13 ... 14 mm 7.5 mm Signal
Tightening torque	6 Nm @ 16 mm <sup>2</sup>
	7 Nm @ 25 mm <sup>2</sup>
	8 Nm @ 35 mm <sup>2</sup>
	0.5 Nm Contact screw M3
	0.5 Nm Fixing screws M3
	2 Nm PE screw M5
Recommended screw driver	Slotted 0.5 x 3
	Slotted 0.6 x 3.5
	Slotted 0.8 x 4.5
	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
RoHS exemptions	6(c): Copper alloy containing up to 4 % lead by weight
ELV status	compliant with exemption



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## Material properties

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	5713140056350
eCl@ss	27440205 Contact insert for industrial connectors
ETIM	EC000438
UNSPSC 24.0	39121522