

# Han K 6/6 Pos. M Insert



Part number	09 38 012 2651
Specification	Han K 6/6 Pos. M Insert
HARTING eCatalogue	https://b2b.harting.com/09380122651

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

#### Identification

Category	Inserts
Series	Han-Com <sup>®</sup>
Identification	Han <sup>®</sup> K 6/6

### Version

Termination method	Axial screw termination / screw termination
Gender	Male
Size	24 B
Number of contacts	6
further contacts	+ 6 additional signal contacts
PE contact	Yes

## **Technical characteristics**

Conductor cross-section	16 35 mm² 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
Rated impulse voltage (signal)	6 kV

Page 1 / 3 | Creation date 2021-10-01 | 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. HARTING Electric Stiftung & Co. KG | Wilhelm-Harting-Straße 1 | 32339 Espelkamp | Germany Phone +49 5772 47-97100 | electric@HARTING.com | www.HARTING.com



#### **Technical characteristics**

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 <sup>10</sup> Ω
Contact resistance	≤0.5 mΩ
Contact resistance, signal area	≤3 mΩ
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 Signal
Limiting temperature	-40 +125 °C
Mating cycles	≥500
Material properties	

### 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(a) / 6(a)-I: Lead as an alloying element in steel for machining purposes and in galvanised steel containing up to 0,35 % lead by weight / Lead as an alloying element in steel for machining purposes containing up to 0,35 % lead by weight and in batch hot dip galvanised steel components containing up to 0,2 % lead by weight
	6(c): Copper alloy containing up to 4 % lead by weight
ELV status	compliant with exemption
China RoHS	50
REACH Annex XVII substances	No

Page 2 / 3 | Creation date 2021-10-01 | 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. HARTING Electric Stiftung & Co. KG | Wilhelm-Harting-Straße 1 | 32339 Espelkamp | Germany Phone +49 5772 47-97100 | electric@HARTING.com | www.HARTING.com

Product data sheet 09 38 012 2651 Han K 6/6 Pos. M Insert



#### Material properties

REACH ANNEX XIV substances	No
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	Nickel Lead

### Specifications and approvals

Specifications	EN 60664-1 IEC 61984
Approvals	DNV GL
UL / CSA	UL 1977 ECBT2.E235076 CSA-C22.2 No. 182.3 ECBT8.E235076

### Commercial data

Packaging size	1
Net weight	278.32 g
Country of origin	Germany
European customs tariff number	85366990
eCl@ss	27440205 Contact insert for industrial connectors