Pushing Performance
Since 1945

Han K 6/12 POS. M INSERT

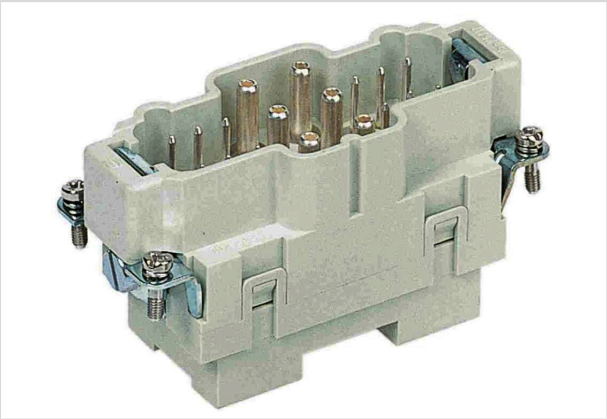


Image is for illustration purposes only. Please refer to product description.

Part number	09 38 018 2601
Specification	Han K 6/12 POS. M INSERT
HARTING eCatalogue	https://harting.com/09380182601

Identification

Category	Inserts
Series	Han-Com®
Identification	Han® K 6/12

Version

Termination method	Axial screw termination / screw termination
Gender	Male
Size	16 B
Number of contacts	18
Number of signal contacts	12
Number of power contacts	6
PE contact	Yes

Technical characteristics

Conductor cross-section (mm²)	2.5 ... 8 mm² Power 0.2 ... 2.5 mm² Signal
Wire outer diameter	≤6.1 mm
Rated current (signal)	10 A
Rated voltage conductor-earth (signal)	230 V
Rated voltage conductor-conductor (signal)	400 V
Rated impulse voltage (signal)	4 kV
Pollution degree (signal)	3
Rated current (power)	40 A

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Technical characteristics

Rated voltage (power)	690 V
Rated impulse voltage (power)	8 kV
Pollution degree (power)	3
Rated current acc. to UL (signal)	10 A
Rated voltage acc. to UL (signal)	600 V
Rated current acc. to UL (Power)	40 A
Rated voltage acc. to UL (Power)	600 V
Rated current acc. to CSA (signal)	10 A
Rated voltage acc. to CSA (signal)	300 V
Rated current acc. to CSA (Power)	40 A
Rated voltage acc. to CSA (Power)	300 V
Insulation resistance	$>10^{10}$ Ω
Contact resistance	≤0.5 mΩ
Contact resistance, signal area	≤3 mΩ
Stripping length	5 ... 6 mm @ 2.5 mm² 5 ... 6 mm @ 4 mm² 8 ... 9 mm @ 6 mm² 7.5 mm Signal
Tightening torque	1.5 Nm @ 2.5 mm² 1.5 Nm @ 4 mm² 2 Nm @ 6 mm² 0.5 Nm Signal 2 Nm Contact screw 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	≥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

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Material properties

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	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
Approvals	DNV GL

Commercial data

Packaging size	1
Net weight	134 g
Country of origin	Romania
European customs tariff number	85366990
GTIN	5713140056435
eCl@ss	27440205 Contact insert for industrial connectors
ETIM	EC000438
UNSPSC 24.0	39121522

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