

Han K 4/0 Pin Female Insert



Part number	09 38 006 2711
Specification	Han K 4/0 Pin Female Insert
HARTING eCatalogue	https://b2b.harting.com/09380062711

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

Identification

Category	Inserts
Series	Han-Com [®]
Identification	Han [®] K 4/0

Version

Termination method	Screw termination
Gender	Female
Size	16 B
Number of contacts	4
PE contact	Yes

Technical characteristics

Conductor cross-section	1.5 16 mm²
Rated current	80 A
Rated voltage	830 V
Rated impulse voltage	8 kV
Pollution degree	3
Rated current acc. to UL	80 A
Rated voltage acc. to UL	600 V
Rated current acc. to CSA	80 A
Rated voltage acc. to CSA	300 V
Insulation resistance	>10 ¹⁰ Ω
Contact resistance	≤0.3 mΩ

Page 1 / 3 | Creation date 2023-01-05 | 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 Stiftung & Co. KG | Marienwerderstr. 3 | 32339 Espelkamp | Germany



Technical characteristics

Stripping length	14 mm
Tightening torque	1.2 Nm @ 1.5 mm ² 2 Nm @ 2.5 mm ² 3 Nm @ 4 mm ² 3 Nm @ 6 mm ² 3 Nm @ 10 mm ² 3 Nm @ 16 mm ²
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 RoHS compliant with exemption 6(a) / 6(a)-!: 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 and in batch hot dip galvanised steel components containing up to 0,2 % lead by weight element in steel for machining up to 0,35 % lead by weight and in batch hot dip galvanised steel components containing up to 0,2 % lead by weight element with exemption 6(b): Copper alloy containing up to 0,35 % lead by weight and in batch hot dip galvanised steel components containing up to 0,2 % lead by weight element with exemption China RoHS 50 REACH Annex XVII 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 EN 45545-2 (2020-08) Requirement set with Hazard Leve	Material proportion	
Material (contacts) Surface (contacts) Silver plated Material flammability class acc. to UL 94 RoHS Compliant with exemption 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 and in galvanised steel containing up to 0,35 % lead by weight / Lead as an alloying element in steel for machining purposes and in galvanised steel components 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 fo(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 EN 45545-2 (2020-08) Requirement set with Hazard Levels R22 (HL 1-3)	Material (insert)	Polycarbonate (PC)
Surface (contacts) Material flammability class acc. to UL 94 V-0 RoHS compliant with exemption 6(a) / 6(a)-1: 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 and in galvanised steel containing up to 0,35 % lead by weight 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 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 EN 45545-2 (2020-08) Requirement set with Hazard Levels REQUirement set with Hazard Levels REQUIrement set with Hazard Levels REQUIREMENT SUBSTANCES REACH SU	Colour (insert)	RAL 7032 (pebble grey)
Material flammability class acc. to UL 94 RoHS compliant with exemption 6(a) / 6(a)-l: 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 and in galvanised steel containing up to 0,35 % lead by weight / Lead by weight and in batch hot dip galvanised steel components containing up to 0,25 % 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 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 EN 45545-2 (2020-08) Requirement set with Hazard Levels REQUIREMENTS And Analysis and Steel for machining purposes and in galvanised steel containing up to 0,35 % lead by weight lead by each steel containing up to 0,35 % lead by weight lead by weight lead by each steel containing up to 0,25 % lead by weight lead by each steel containing up to 0,35 % lead by weight lead by each steel containing up to 0,35 % lead by each by each steel components can take for machining up to 0,25 % lead by each steel components can take for machining up to 0,25 % lead by each steel components can take for machining up to 0,25 % lead by each steel components can take for machining up to 0,25 % lead by each steel components can take for machining up to 0,25 % lead by each steel components containing up to 0,25 % lea	Material (contacts)	Copper alloy
RoHS compliant with exemption \[\begin{align*} 6(a) / 6(a) -1: 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 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 Fire protection on railway vehicles EN 45545-2 (2020-08) Requirement set with Hazard Levels REQUirement set with Hazard Levels \[REQUIREMENT STATE AS A proposition in galvanish	Surface (contacts)	Silver plated
RoHS exemptions 6(a) / 6(a)-l: 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 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 EN 45545-2 (2020-08) Requirement set with Hazard Levels REQUirement set with Hazard Levels REQUIREMENT SUBSTANCES REQUIREMENT SUBSTANCES REQUIREMENT SUBSTANCES REQUIREMENT SUBSTANCES REQUIREMENT SUBSTANCES REQUIREMENT SET WITH Hazard Levels	Material flammability class acc. to UL 94	V-0
RoHS exemptions 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 Not contained REACH ANNEX XIV substances Yes 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 EN 45545-2 (2020-08) Requirement set with Hazard Levels R22 (HL 1-3)	RoHS	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 End Nickel Fire protection on railway vehicles EN 45545-2 (2020-08) Requirement set with Hazard Levels	RoHS exemptions	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
REACH Annex XVII substances 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	ELV status	compliant with exemption
REACH ANNEX XIV substances 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)	China RoHS	50
REACH SVHC substances 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 Requirement set with Hazard Levels	REACH Annex XVII substances	Not contained
REACH SVHC substances ECHA SCIP number 5dbb3851-b94e-4e88-97a1-571845975242 California Proposition 65 substances 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)	REACH ANNEX XIV substances	Not contained
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)	REACH SVHC substances	Yes
California Proposition 65 substances 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)	REACH SVHC substances	Lead
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)	ECHA SCIP number	5dbb3851-b94e-4e88-97a1-571845975242
California Proposition 65 substances Nickel Fire protection on railway vehicles EN 45545-2 (2020-08) Requirement set with Hazard Levels R22 (HL 1-3)	California Proposition 65 substances	Yes
Requirement set with Hazard Levels	California Proposition 65 substances	
Requirement set with Hazard Levels	Fire protection on railway vehicles	EN 45545-2 (2020-08)
	Requirement set with Hazard Levels	,



Specifications and approvals

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

Commercial data

Packaging size	1
Net weight	111.57 g
Country of origin	Romania
European customs tariff number	85366990
GTIN	5713140056251
eCl@ss	27440205 Contact insert for industrial connectors