

Contact insert - HC-K 6/ 6 ESTS - 1636392

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HEAVYCON pin insert, K6/6 series, for 6 power and 6 control contacts and PE, axial screw connection (power contacts)/screw connection (control contacts)



Key Commercial Data

Packing unit	1 pc
Minimum order quantity	20 pc
GTIN	
GTIN	4046356180313

Technical data

General

Note	For HEAVYCON ADVANCE and HEAVYCON housing of type B24, with third-party logo
Connection method	Axial screw connection (power contacts) Screw connection (control contacts)
Tightening torque	6 Nm (Power contacts for 16 mm ²) 7 Nm (Power contacts for 25 mm ²) 0.8 Nm (control contacts) 8 Nm (Power contacts for 35 mm ²)
Degree of pollution	3
Overvoltage category	III
Number of positions	6+6+PE
No. of power contacts	6
No. of control contacts	6
Insertion/withdrawal cycles	≥ 500
Size	B24
Contact numbering	1 - 6
Conductor cross section	16 mm ² ... 35 mm ² (power contacts)

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Technical data

General

	0.2 mm ² ... 2.5 mm ² (control contacts)
Connection cross section AWG	5 ... 2 (power contacts)
	24 ... 13 (control contacts)
Stripping length of the individual wire	13 mm ±1 mm (Power)
	7.5 mm (Signal)
Wire diameter including insulation	11.4 mm (max., power contacts)
Assembly instructions	To ensure correct use, installation in housing with IP54 protection or better is required

Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C
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Material data

Contact material	Cu alloy
Material of contact surface, power contact	Ag
Material of contact surface, control contact	Ag
Contact carrier material	PC

Electrical characteristics

Rated voltage (III/3)	690 V (power contacts)
	400 V (control contacts)
Rated surge voltage	8 kV (power contacts)
	6 kV (control contacts)
Rated current	100 A (power contacts)
	16 A (control contacts)

Standards and Regulations

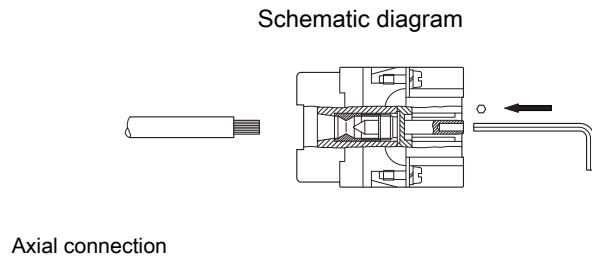
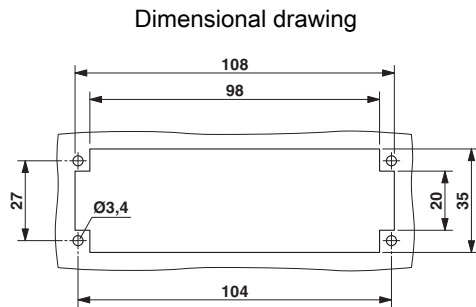
Connection in acc. with standard	CSA
Flammability rating according to UL 94	V0

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

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Mounting cutout when used without housing

Approvals

Approvals

Approvals

UL Recognized

Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E118976
Nominal voltage UN	600 V		
Nominal current IN	16 A		
mm ² /AWG/kcmil	14		

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PHOENIX CONTACT GmbH & Co. KG
 Flachsmarktstr. 8
 32825 Blomberg
 Germany
 Tel. +49 5235 300
 Fax +49 5235 3 41200
<http://www.phoenixcontact.com>