

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


Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



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	 4 046356 180313
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)

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

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
---------------------------------	-------------------

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

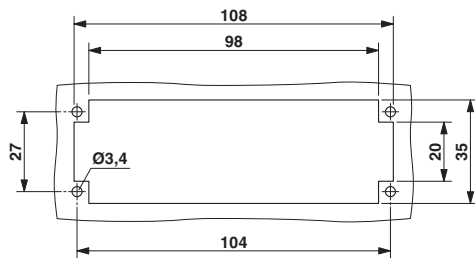
Environmental Product Compliance

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

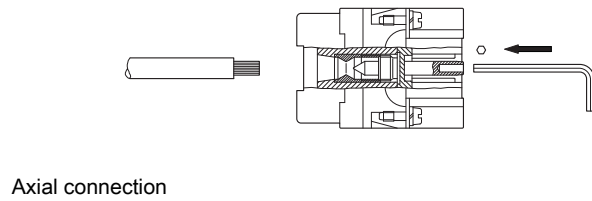
Drawings

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

Dimensional drawing



Schematic diagram



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		

Phoenix Contact 2018 © - all rights reserved
<http://www.phoenixcontact.com>

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

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Heavy Duty Power Connectors](#) category:

Click to view products by [Phoenix Contact](#) manufacturer:

Other Similar products are found below :

[647757-1](#) [6643411-1](#) [6646058-2](#) [6646137-1](#) [6646138-1](#) [6646479-1](#) [6646608-1](#) [6646786-1](#) [6646940-1](#) [6651091-1](#) [6651525-1](#) [6651529-1](#)
[6651788-1](#) [696475-1](#) [702-32-01109](#) [703-25-02205](#) [73000005059](#) [73000005642](#) [765-15-0080A](#) [765-16-0080B](#) [765-18-0080D](#) [829992-1](#)
[902-77-02113](#) [PS00/A0620/6300](#) [129-1J](#) [1409400](#) [AN0024023](#) [E6374G1](#) [e6389g2](#) [157-43GW8](#) [MS3117-14AC](#) [1643543-1](#) [1650540-1](#)
[1651811-2](#) [1766260-1](#) [1766282-1](#) [1766966-1](#) [1791340000](#) [NLDFT-3-BL-L-S120-M40A](#) [NLDFT-N-W-L-C240-M40B](#) [NLS-2-R-C240-](#)
[M40B](#) [NLS-N-W-C240-M40B](#) [NPS-3-BL-T6](#) [1986615-1](#) [2-1589900-8](#) [2199314-1](#) [KA8102](#) [9300480317](#) [SBS50BRN#6](#) [29131](#)