

Contact insert - HC-K 4/2-ESTS - 1686889

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HEAVYCON plug insert, K4/0 series, 4-pos., screw connection without wire protection

RoHS

Key Commercial Data

Packing unit	1 STK
GTIN	 4 017918 924119
GTIN	4017918924119

Technical data

General

Note	For HEAVYCON ADVANCE and HEAVYCON housing of type B16, with third-party logo on the product.
Connection method	Screw connection (power contacts)
	Screw connection (control contacts)
Tightening torque	3 Nm (Power contacts for cross sections of 2.5 mm ² ... 16 mm ² ; (2 Nm for cross section 2.5 mm ²))
	0.5 Nm (control contacts)
	1.2 Nm (Power contacts for cross section 1.5 mm ²)
Screwdriver blade	0.8 x 4.5 mm (power contacts)
	0.5 x 3.5 mm (control contacts)
Degree of pollution	3
Overvoltage category	III
Number of positions	4+2+PE
No. of power contacts	4
No. of control contacts	2
Insertion/withdrawal cycles	≥ 500
Size	B16
Contact numbering	1 - 4

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Technical data

General

Conductor cross section	1.5 mm ² ... 16 mm ² (power contacts)
	0.5 mm ² ... 2.5 mm ² (control contacts)
Connection cross section AWG	16 ... 6 (power contacts)
	20 ... 14 (control contacts)
Stripping length of the individual wire	14 mm (Power circuit)
	7.5 mm (Control circuit)
Assembly instructions	Plug-in connections may only be operated only when there is no load/voltage.
Connection	Use wire end protection (screw connections do not have wire protection)

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)	830 V (power contacts)
	400 V (control contacts)
Rated surge voltage	8 kV (power contacts)
	6 kV (control contacts)
Rated current	80 A (power contacts)
	16 A (control contacts)

Standards and Regulations

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

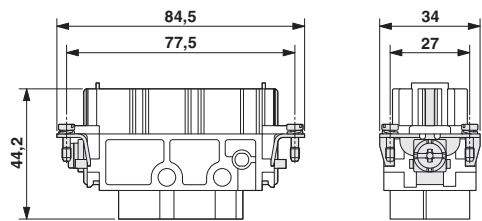
Environmental Product Compliance

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

Drawings

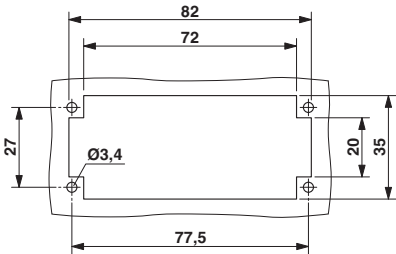
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Dimensional drawing



Male insert

Dimensional drawing



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		
mm²/AWG/kcmil	14		

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