

Contact insert - HC-K 4/0-ESTS - 1679414

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



Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	119.7 g
Custom tariff number	85366990
Country of origin	Romania

Technical data

General

Note	For HEAVYCON-ADVANCE housings of B16 type and HEAVYCON housings of B16 and B32 types
Connection method	Screw connection (power contacts)
Tightening torque	3 Nm (4.0 mm ² ... 16 mm ²)
	2 Nm (2.5 mm ²)
	1.2 Nm (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+PE
No. of power contacts	4
Insertion/withdrawal cycles	≥ 500
Size	B16
Conductor cross section	1.5 mm ² ... 16 mm ²
Connection cross section AWG	16 ... 6

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Technical data

General

Stripping length of the individual wire	14 mm
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

Flammability rating according to UL 94	V0
Contact material	Cu alloy
Contact surface material	Ag
Material of contact surface, power contact	Ag
Contact carrier material	PC

Electrical characteristics

Rated voltage (III/3)	830 V (power contacts)
Rated surge voltage	8 kV (power contacts)
Rated current	80 A (power contacts)

Standards and Regulations

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

Classifications

eCl@ss

eCl@ss 4.0	27140816
eCl@ss 4.1	27140816
eCl@ss 5.0	27143424
eCl@ss 5.1	27143424
eCl@ss 6.0	27143424
eCl@ss 7.0	27440209
eCl@ss 8.0	27440205
eCl@ss 9.0	27440205

ETIM

ETIM 2.0	EC000438
ETIM 3.0	EC000438
ETIM 4.0	EC000438

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Classifications

ETIM

ETIM 5.0	EC000438
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UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522

Approvals

Approvals

Approvals

CSA / UL Recognized / EAC / EAC / GL

Ex Approvals

Approvals submitted

Approval details

CSA	
mm ² /AWG/kcmil	5
Nominal current I _N	80 A
Nominal voltage U _N	600 V

UL Recognized	
mm ² /AWG/kcmil	8-4
Nominal current I _N	63 A

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Approvals

Nominal voltage UN	600 V
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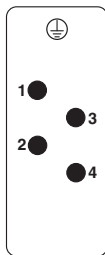
EAC

EAC

GL

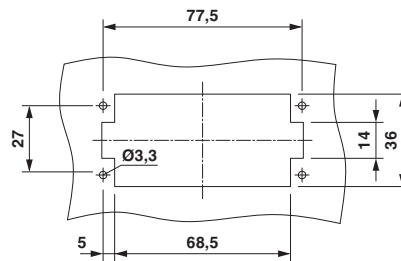
Drawings

Schematic diagram



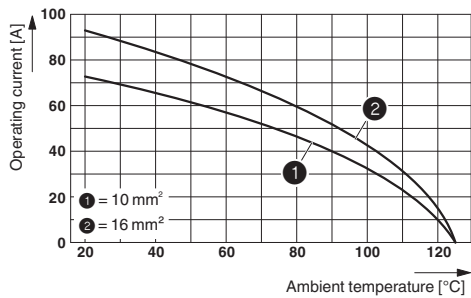
Connector pin assignment, connection side

Dimensional drawing



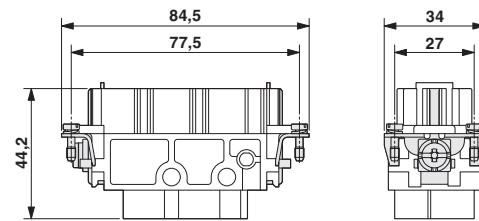
Mounting cutout when used without housing

Diagram



Derating diagram

Dimensional drawing



Male insert