

Contact insert - HC-K 6/ 6 EBUS - 1636402

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HEAVYCON socket 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 180320
GTIN	4046356180320

Technical data

General

Note	For HEAVYCON ADVANCE and HEAVYCON housing of type B24, with third-party logo
	Connectors may be operated only when there is no load/voltage.
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)
Torque	0.8 Nm ... 1.2 Nm (PE connection)
	0.5 Nm ... 0.8 Nm (Mounting screws for mounting in the HEAVYCON housing)
Degree of pollution	3
Overvoltage category	III
Number of positions	6+6+PE
No. of power contacts	6
No. of control contacts	6

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Technical data

General

Insertion/withdrawal cycles	≥ 500
Size	B24
	B48
Contact numbering	1 - 6
Conductor cross section	16 mm² ... 35 mm² (power contacts)
	0.2 mm² ... 2.5 mm² (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

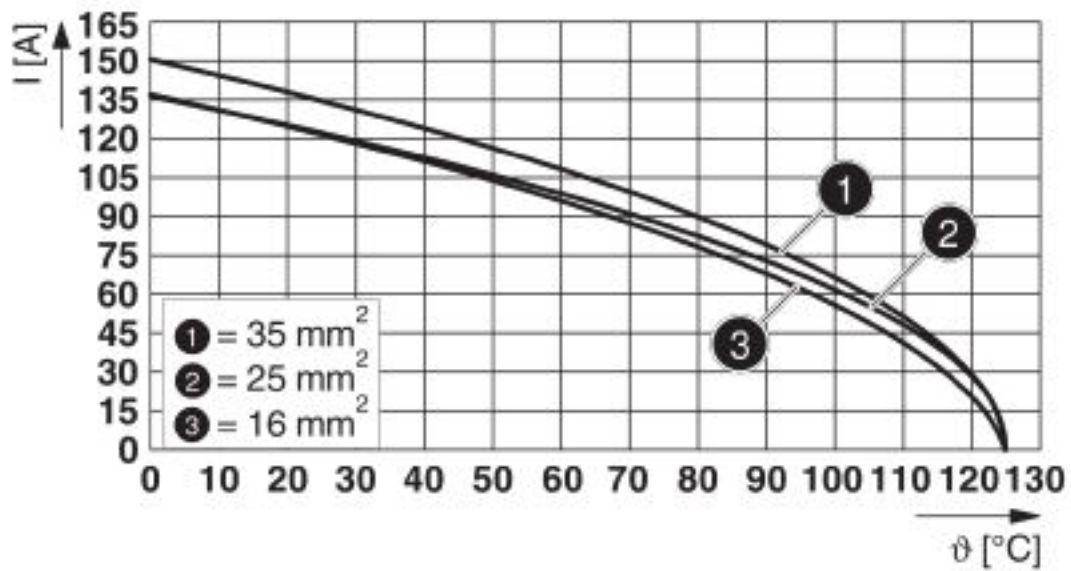
Environmental Product Compliance

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

Drawings

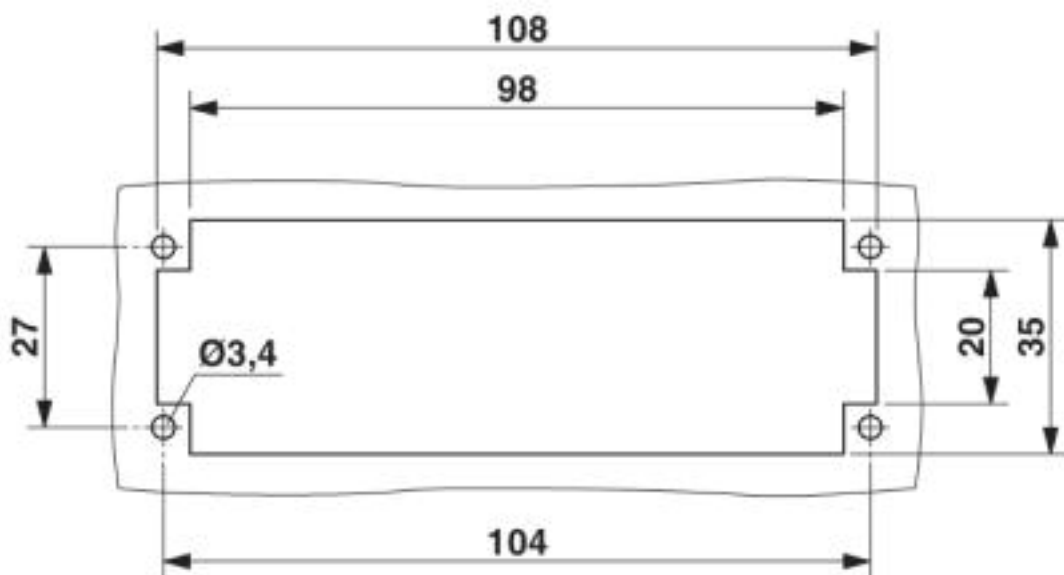
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Diagram



Derating diagram

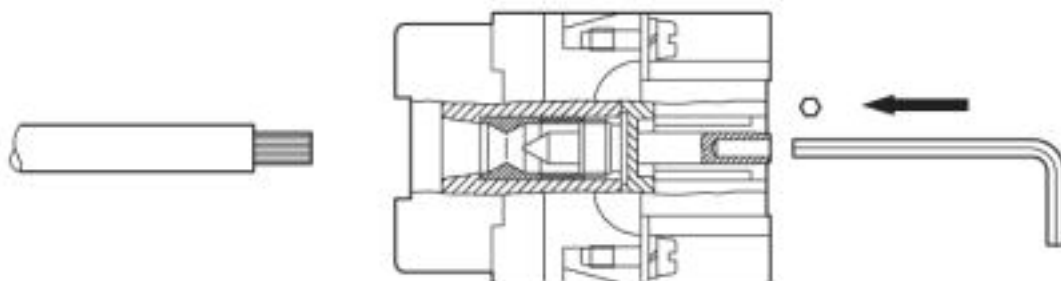
Dimensional drawing



Mounting cutout when used without housing

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Schematic diagram



Axial connection

Classifications

eCl@ss

eCl@ss 10.0.1	27440205
eCl@ss 4.0	27140800
eCl@ss 4.1	27140800
eCl@ss 5.0	27143400
eCl@ss 5.1	27261200
eCl@ss 6.0	27261200
eCl@ss 7.0	27440205
eCl@ss 8.0	27440205
eCl@ss 9.0	27440205

ETIM

ETIM 2.0	EC000438
ETIM 3.0	EC000438
ETIM 4.0	EC000438
ETIM 5.0	EC000438
ETIM 6.0	EC000438
ETIM 7.0	EC000438

UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522
UNSPSC 18.0	39121522
UNSPSC 19.0	39121522
UNSPSC 20.0	39121522
UNSPSC 21.0	39121522

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Approvals

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EAC / UL Recognized

Ex Approvals

Approval details

EAC		RU C- DE.BL08.B.00511
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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		

Accessories

Accessories

Screwdriver tools

Screwdriver - SF-SL 0,6X3,5-100 S-VDE - 1212587



Actuation tool, for ST terminal blocks, VDE insulated, with slimmer insulation integrated in the blade, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

Socket spanner

Screwdriver - SF-THEX 2-100 - 1212637



T-handle screwdriver, for Allen screws, hexagonal (with chamfer), size: hex 2 x 100 mm, ergonomically shaped handle, matt chrome-plated

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Accessories

Additional products

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



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