

Contact insert - HC-K 8/24-EBUC - 1636321

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HEAVYCON female insert, K8/24 series, for 8 power and 24 control contacts, crimp connection

RoHS

Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 011464
GTIN	4046356011464

Technical data

General

Note	For housing HC-B10, power contacts: CK 2,5-ED, control contacts: CK 1,6-ED (crimp contacts not included in scope of delivery)
Connection method	Crimp connection (power contacts)
	Crimp connection (Signal contacts)
Degree of pollution	3
Overvoltage category	III
Number of positions	8+24+PE
No. of power contacts	8
No. of control contacts	24
Insertion/withdrawal cycles	≥ 500
Size	B10
Contact numbering	1 - 8
Conductor cross section	0.5 mm² ... 4 mm² (power contacts)
	0.14 mm² ... 2.5 mm² (control contacts)
Connection cross section AWG	20 ... 12 (power contacts)
	26 ... 14 (control contacts)
Stripping length of the individual wire	7.5 mm
	8 mm (0.14 ... 1.5 mm²)

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General

	6 mm (2.5 mm ²)
Assembly instructions	- Dismantling of CK2,5-ED power contacts... using a size 0 Phillips screwdriver (DIN 5260).
Connection	Connectors may be plugged in only when there is no load/voltage.

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 (alternat. Au)
Material of contact surface, control contact	Ag (alternatively Au)
Contact carrier material	PA

Electrical characteristics

Rated voltage for power contacts	230/400 V
Rated voltage (III/3)	230 V (Power contacts wire-ground)
	160 V
	400 V (Power contacts wire-wire)
Rated surge voltage	4 kV (power contacts)
	2.5 kV (control contacts)
Rated current	16 A (power contacts)
	10 A (control contacts)

Standards and Regulations

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

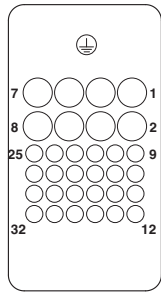
Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

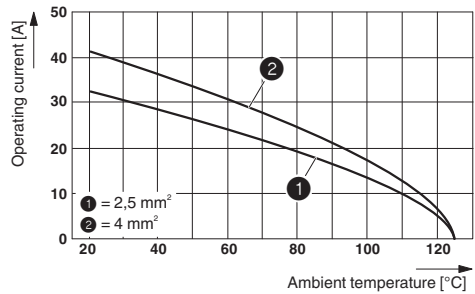
Drawings

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Schematic diagram



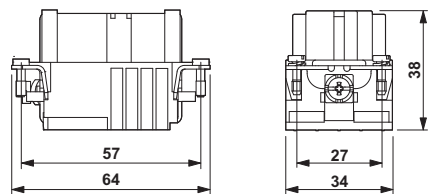
Diagram



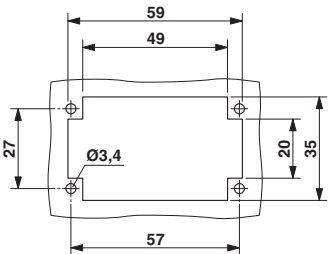
Connector pin assignment, connection side

Derating diagram

Dimensional drawing



Dimensional drawing



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	FILE E 118976
Nominal voltage UN	600 V		
Nominal current IN	10 A		
mm²/AWG/kcmil	14		

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