

Contact insert module - HC-M-03/04-CT-F - 1414365

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Contact insert module, number of positions: 3+4, power contacts: 3, control contacts: 4, Socket, Crimp connection, 830 V, 40 A, 1.5 mm² ... 6 mm², application: Power/signal

RoHS

Key Commercial Data

Packing unit	5 STK
Minimum order quantity	5 STK
GTIN	 4 055626 025087
GTIN	4055626025087

Technical data

Dimensions

Height	39.1 mm
Width	34.2 mm
Length	14.6 mm

Electrical characteristics

Note	For HEAVYCON HC-B6 to B48 housing, HC-M-MHR... hinged retaining frame required, crimp connection, power contacts: CK 4,0-ED..., control contacts: CK 1,6-ED... (crimp contacts not supplied as standard)
Rated voltage (III/3)	830 V (power contacts)
	830 V (control contacts)
Rated current	40 A (power contacts)
	10 A (control contacts)
Rated surge voltage	8 kV (power contacts)
	8 kV (control contacts)
Connection profile	3+4

Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C
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Technical data

Mechanical characteristics

Conductor cross section	1.5 mm² ... 6 mm² (power contacts)
	0.14 mm² ... 2.5 mm² (control contacts)
Connection cross section AWG	16 ... 10 (power contacts)
	26 ... 14 (control contacts)
Stripping length of the individual wire	9 mm (9.6 mm (4.0 -6.0 mm²))
	8 mm (6 mm (2,5 mm²))
Contact diameter	4 mm
Wire diameter including insulation	5 mm (for power contacts)
Insertion/withdrawal cycles	≥ 500
Minimum housing height	52 mm

General

Series	HC-M-03/04
Color	light gray
Number of module slots	1
Connection method	Crimp connection (power contacts)
	Crimp connection (control contacts)
Contact type	turned
Flammability rating according to UL 94	V0
Degree of pollution	3
Overvoltage category	III
Assembly instructions	For housing heights ≥ 52 mm. Plug-in connections may only be operated only when there is no load/voltage.
Connection	The module cannot be used simultaneously with HC-B...-TMB-SD-IP65 and HC-B...-TMS-SD-IP65 protective covers. Not suitable for CK1,6-ED-...POF fiber optic contacts.

Material data

Contact material	Copper alloy
Contact surface material	Ag
Contact carrier material	PC

Standards and Regulations

Flammability rating according to UL 94	V0
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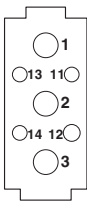
Environmental Product Compliance

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

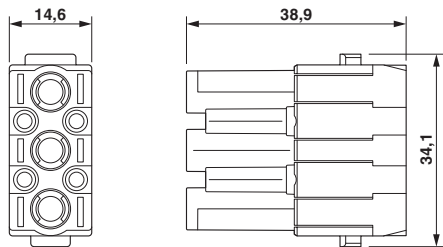
Drawings

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Schematic diagram

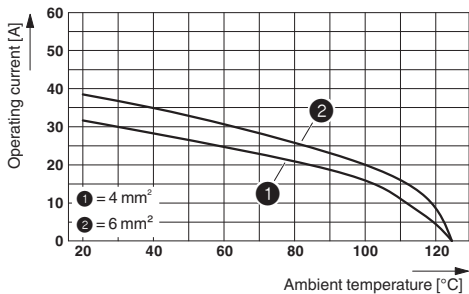


Dimensional drawing



Connector pin assignment, connection side

Diagram



Derating diagram (6 modules in HC-B 24 housing)

Approvals

Approvals

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UL Recognized / CSA / EAC / EAC

Ex Approvals

Approval details

UL Recognized			http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E118976
mm²/AWG/kcmil		10		
Nominal current I _N		40 A		
Nominal voltage U _N		600 V		

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Approvals

CSA		http://www.csagroup.org/services-industries/product-listing/	13631
mm²/AWG/kcmil		10	
Nominal current I _N		33 A	
Nominal voltage U _N		600 V	

EAC		RU C- DE.AI30.B.01102
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