

Contact insert module - HC-M-03/04-CT-M - 1414364

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

RoHS

Key Commercial Data

Packing unit	1 STK
Minimum order quantity	5 STK
GTIN	 4 055626 025070
GTIN	4055626025070
Weight per Piece (excluding packing)	12.000 g
Custom tariff number	85389099
Country of origin	Poland

Technical data

Dimensions

Height	44.3 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)

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Technical data

Electrical characteristics

	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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Mechanical characteristics

Conductor cross section	1.5 mm ² ... 6 mm ² (power contacts)
	0.14 mm ² ... 2.5 mm ² (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 (4-6 mm ²))
	8 mm (6 mm (2,5 mm ²))
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)
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 carrier material	PC

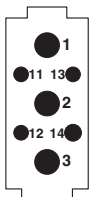
Standards and Regulations

Flammability rating according to UL 94	V0
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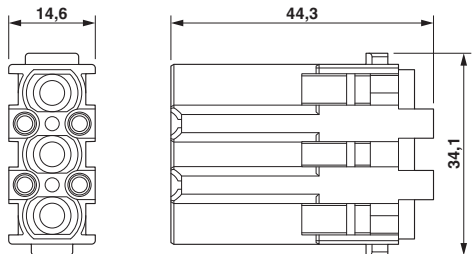
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Drawings

Schematic diagram

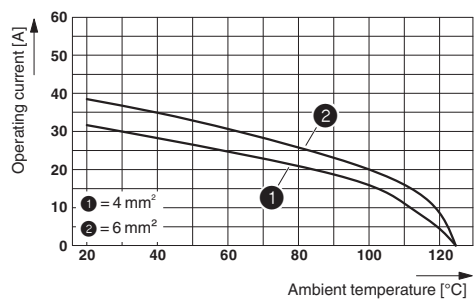


Dimensional drawing



Connector pin assignment, connection side

Diagram



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

Approvals

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EAC / UL Recognized / CSA

Ex Approvals

Approval details

EAC		7500651.22.01.00246
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Approvals

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	

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