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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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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



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 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 (4.0 -6.0 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

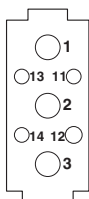
Contact material	Copper alloy
Contact carrier material	PC

Standards and Regulations

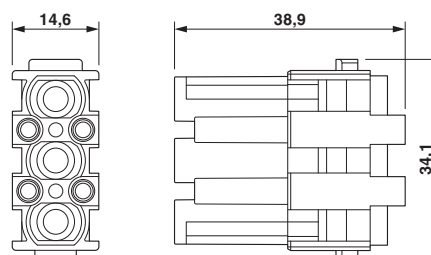
Flammability rating according to UL 94	V0
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Drawings

Schematic diagram



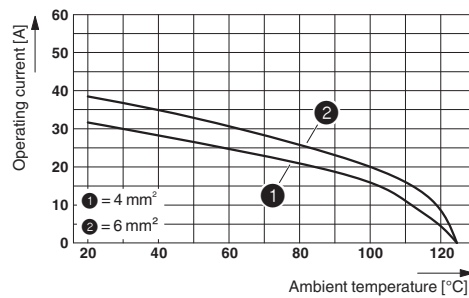
Dimensional drawing



Connector pin assignment, connection side

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Diagram



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

Approvals

Approvals

Approvals

EAC / UL Recognized / CSA

Ex Approvals

Approval details

EAC		7500651.22.01.00246
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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		

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