

Contact insert module - HC-M-03-CT-F - 1414359


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Contact insert module, Number of positions: 3, Socket, Crimp connection, 690 V, 40 A, 1.5 mm² ... 10 mm², Application: Power

RoHS

Key Commercial Data

Packing unit	5 STK
Minimum order quantity	5 STK
GTIN	 4 055626 025025
GTIN	4055626025025

Technical data

Dimensions

Height	44.7 mm
Width	34.2 mm
Length	14.6 mm

Electrical characteristics

Note	For HEAVYCON housing type B6 to B48, HC-M-B...MF-... hinged module carrier frame required, CK4,0..... crimp contacts, crimp contacts not supplied as standard.
Rated voltage (III/3)	690 V
Rated current	40 A
Rated surge voltage	6 kV
Connection profile	3

Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C
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Mechanical characteristics

Conductor cross section	1.5 mm ² ... 10 mm ²
Connection cross section AWG	16 ... 8

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Technical data

Mechanical characteristics

Stripping length of the individual wire	9 mm (for 1.5 - 2.5 mm ²)
	9.6 mm (for 4 mm ² ... 6 mm ²)
	15 mm (for 10 mm ² /conductor \geq 5 mm diameter)
	18 mm (for 10 mm ² /conductor \geq 6.4 mm diameter)
Wire diameter including insulation	7.5 mm
Insertion/withdrawal cycles	\geq 500
Minimum housing height	52 mm

General

Series	HC-M-03
Color	light gray
Number of module slots	1
Connection method	Crimp connection
Connection in acc. with standard	IEC / EN
Flammability rating according to UL 94	V0
Degree of pollution	3
Overvoltage category	III
Assembly instructions	Housing height \geq 52 mm. Plug-in connections may only be operated only when there is no load/voltage.
Connection	The CK4,0-EWZ tool (order no. 1662735) is required for removing the crimp contacts. At every "C" contact chamber, the position of the contact retaining springs is marked with two black markings on the connection side. From the connection side, the tool is pushed over the contact in a position-oriented manner, so that it touches both the retaining springs. Then insert it up to the limit stop. Do not turn the inserted tool. Push the conductor out of the insulating body along with the tool from the connection side.

Material data

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

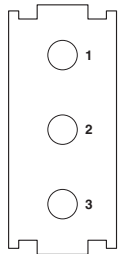
Standards and Regulations

Connection in acc. with standard	IEC / EN
Flammability rating according to UL 94	V0

Drawings

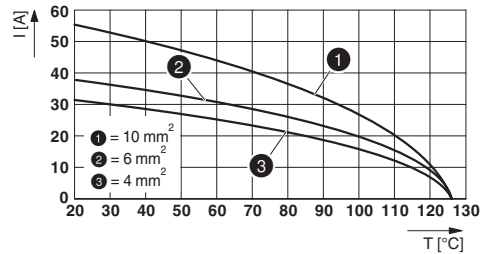
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Schematic diagram



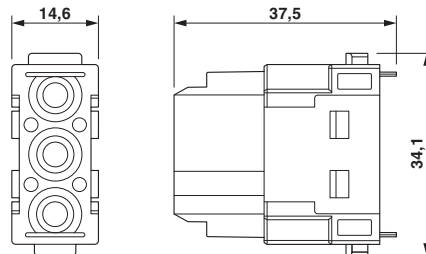
Connector pin assignment

Diagram



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

Dimensional drawing



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
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mm²/AWG/kcmil	10
Nominal current I _N	42 A
Nominal voltage U _N	600 V

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Approvals

CSA		http://www.csagroup.org/services/testing-and-certification/certified-product-listing/	13631
mm ² /AWG/kcmil		10	
Nominal current I _N		33 A	
Nominal voltage U _N		600 V	

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