

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



COMPLIANT

Key Commercial Data

Packing unit	5 pc
Minimum order quantity	5 pc
GTIN	 4 055626 025070
GTIN	4055626025070
Weight per Piece (excluding packing)	12.750 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

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 (4-6 mm ²))
	8 mm (6 mm (2,5 mm ²))
Contact diameter	4 mm
Wire diameter including insulation	5 mm (for power contacts)
Insertion/withdrawal cycles	≥ 500
Minimum housing height	52 mm

General

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)
	Connectors may be operated only when there is no load/voltage.
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	To ensure correct use, installation in housing with IP54 protection or better is required
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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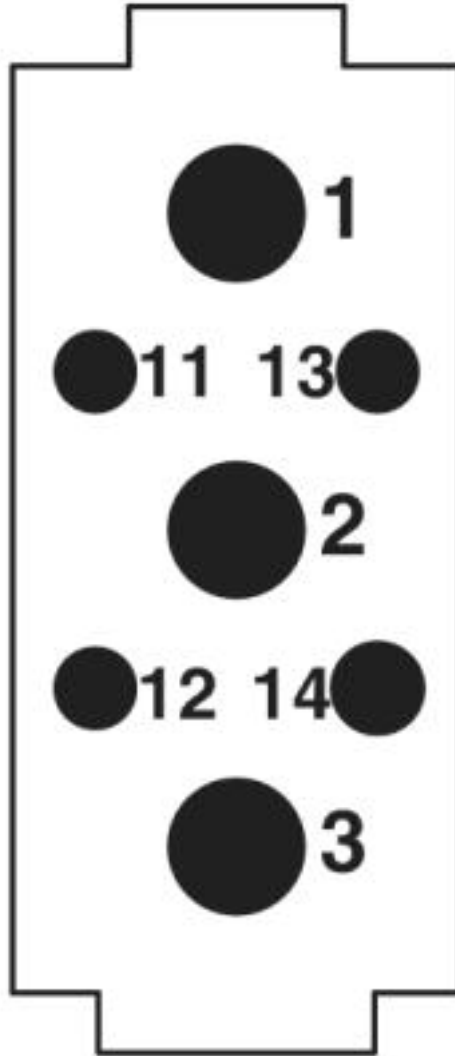
Environmental Product Compliance

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

Drawings

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

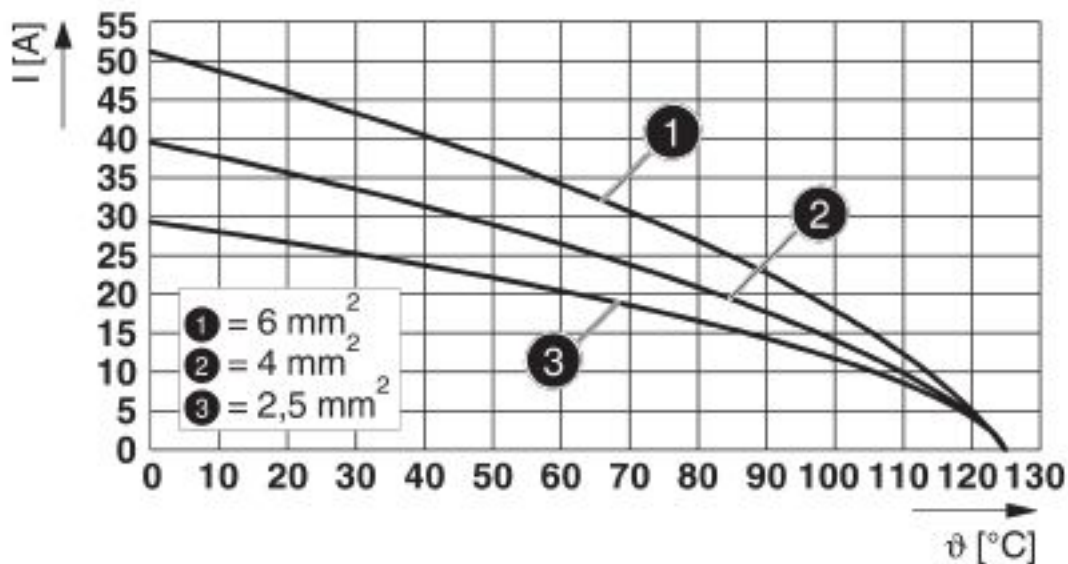
Schematic diagram



Connector pin assignment, connection side

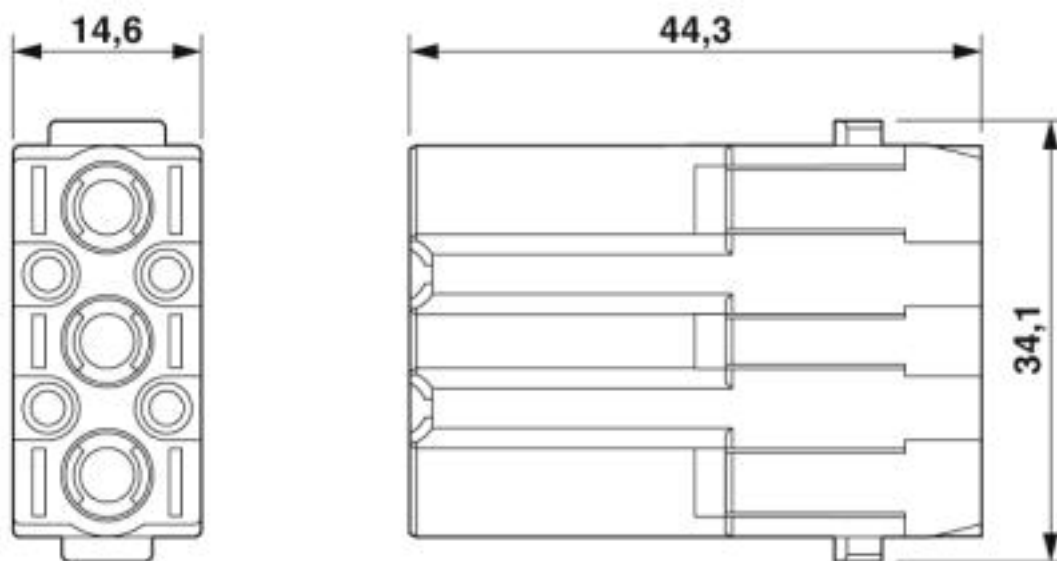
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Diagram



Derating diagram

Dimensional drawing



Classifications

eCl@ss

eCl@ss 10.0.1	27440217
eCl@ss 5.1	27261200
eCl@ss 6.0	27261200
eCl@ss 7.0	27440205

<https://www.phoenixcontact.com/gb/products/1414364>



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Classifications

eCl@ss

eCl@ss 8.0	27440205
eCl@ss 9.0	27440217

ETIM

ETIM 5.0	EC000438
ETIM 6.0	EC000438
ETIM 7.0	EC000438

UNSPSC

UNSPSC 13.2	39121421
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Approvals


Approvals


Approvals

CSA / UL Recognized / EAC

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	13631
Nominal voltage UN		600 V	
Nominal current IN		33 A	
mm ² /AWG/kcmil		10	

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E118976
Nominal voltage UN		600 V	
Nominal current IN		40 A	
mm ² /AWG/kcmil		10	

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Approvals

EAC	The EAC (Eurasian Conformity) logo, consisting of the letters "EAC" in a bold, stylized font.	RU C- DE.AI30.B.01102
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