

Contact insert module - HC-M-20-CT-F - 1414373

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Contact insert module, number of positions: 20, power contacts: 20, control contacts: 0, Socket, Crimp connection, 690 V, 16 A, 0.5 mm² ... 4 mm², application: Power

RoHS

Key Commercial Data

Packing unit	2 STK
Minimum order quantity	2 STK
GTIN	 4 055626 025261
GTIN	4055626025261

Technical data

Dimensions

Height	39.95 mm
Width	34.2 mm
Length	29.4 mm

Electrical characteristics

Note	For HEAVYCON housing type B6 to B48, HC-M-B...MF... hinged module carrier frame required, CK2,5-ED... imp contacts, crimp contacts not supplied as standard.
Rated voltage (III/3)	690 V
Rated current	16 A
Rated surge voltage	6 kV
Connection profile	20

Ambient conditions

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

Conductor cross section	0.5 mm² ... 4 mm²
Connection cross section AWG	20 ... 12

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Technical data

Mechanical characteristics

Stripping length of the individual wire	7.5 mm
Contact diameter	2.5 mm
Insertion/withdrawal cycles	≥ 500

General

Series	HC-M-20
Color	light gray
Number of module slots	2
Connection method	Crimp connection
Contact type	turned
Flammability rating according to UL 94	V0
Degree of pollution	3
Overvoltage category	III
Assembly instructions	Housing height ≥ 52 mm. Plug-in connections may only be operated only when there is no load/voltage.

Material data

Contact material	Copper alloy
Contact surface material	Ag (alternatively Au)
Contact carrier material	PC

Standards and Regulations

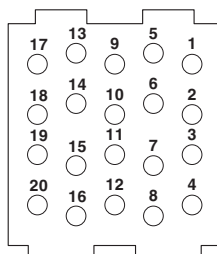
Flammability rating according to UL 94	V0
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Environmental Product Compliance

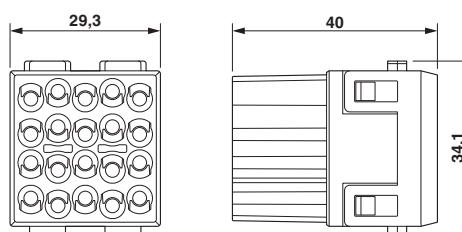
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Schematic diagram

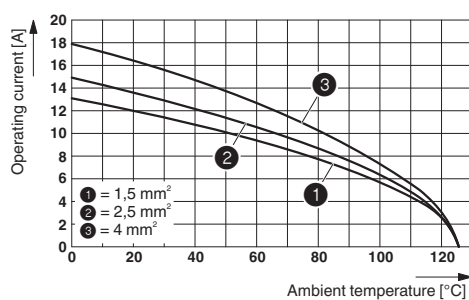


Dimensional drawing



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Diagram



Derating diagram (3 modules in HC-B 24 housing)

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	12		
Nominal current I _N	17.5 A		
Nominal voltage U _N	500 V		

CSA		http://www.csagroup.org/services-industries/product-listing/	13631
mm²/AWG/kcmil	12		
Nominal current I _N	14 A		
Nominal voltage U _N	500 V		

EAC		RU C- DE.AI30.B.01102	
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Approvals

EAC		RU C- DE.AI30.B.01102
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