

## 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 mm<sup>2</sup> ... 4 mm<sup>2</sup>, application: Power



### Key Commercial Data

Packing unit	2 pc
Minimum order quantity	2 pc
GTIN	 4 055626 025261
GTIN	4055626025261
Weight per Piece (excluding packing)	22.600 g
Custom tariff number	85389099
Country of origin	Poland

### Technical data

#### Dimensions

Height	39.95 mm
Width	34.2 mm
Length	29.4 mm

#### Electrical characteristics

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 mm <sup>2</sup> ... 4 mm <sup>2</sup>
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### Technical data

#### Mechanical characteristics

Connection cross section AWG	20 ... 12
Stripping length of the individual wire	7.5 mm
Contact diameter	2.5 mm
Insertion/withdrawal cycles	≥ 500

#### General

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

#### 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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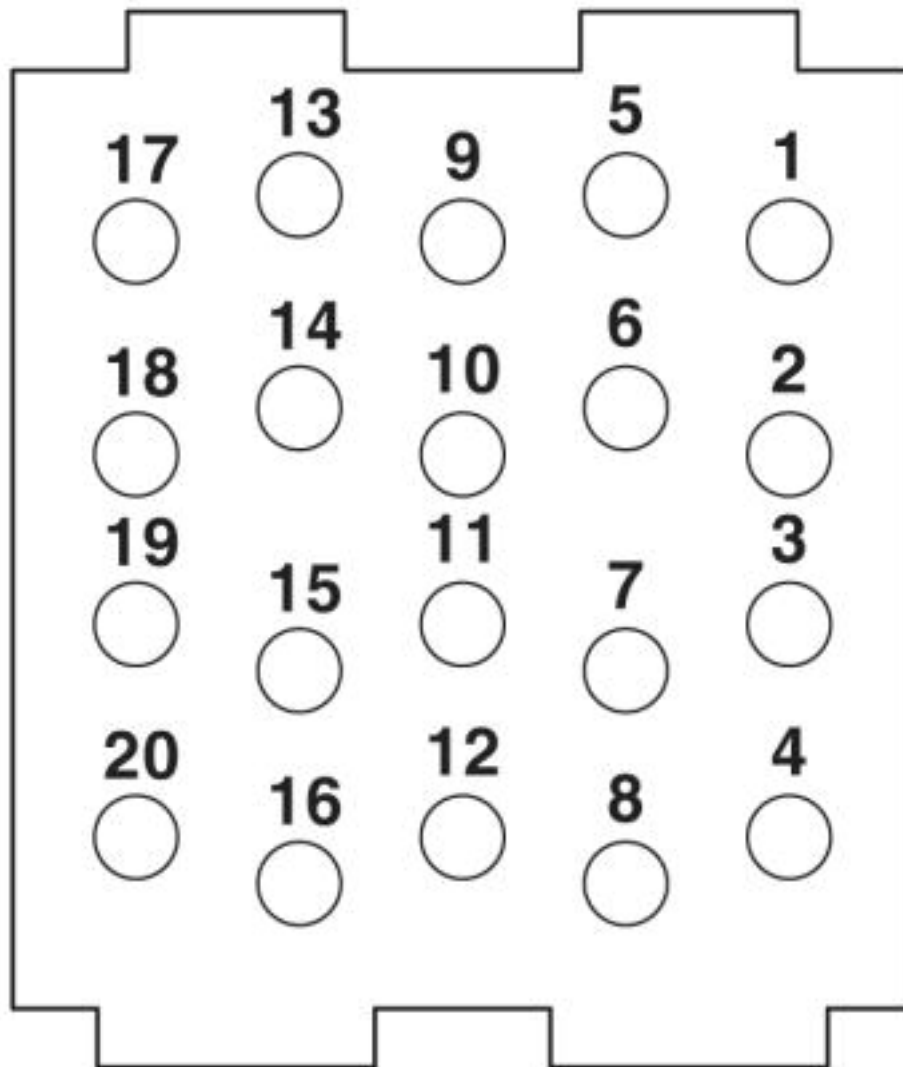
#### Environmental Product Compliance

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

### Drawings

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

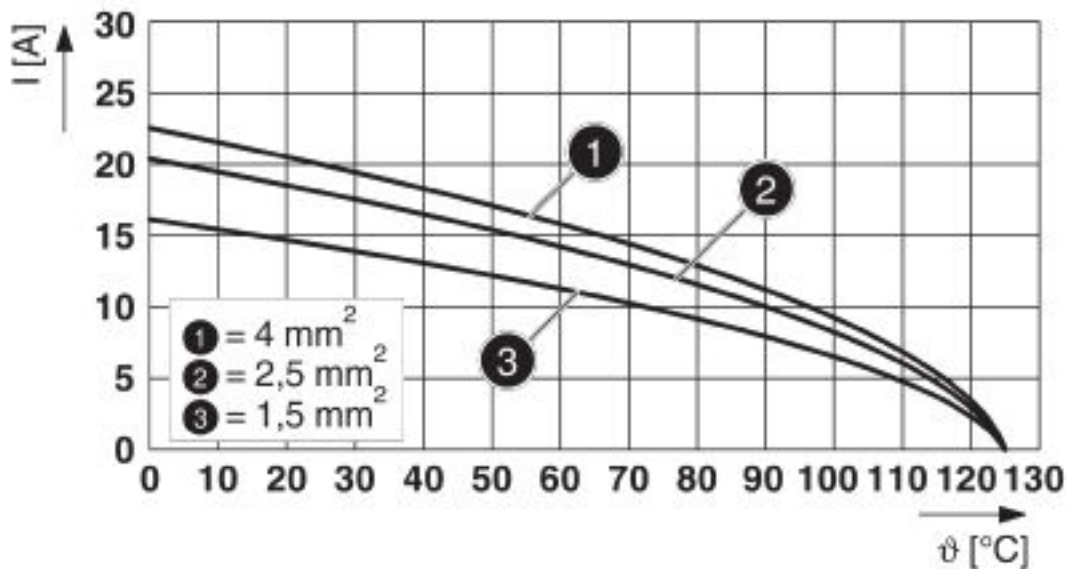
Schematic diagram



Connector pin assignment, connection side

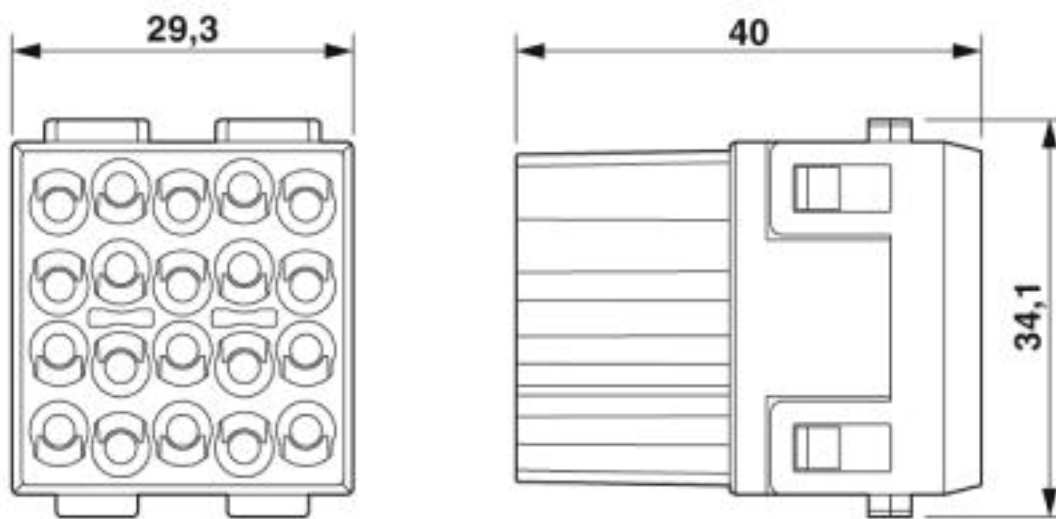
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Diagram



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
eCl@ss 8.0	27440205

<https://www.phoenixcontact.com/gb/products/1414373>



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### Classifications

#### eCl@ss

eCl@ss 9.0	27440217
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#### 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		<a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a>	13631
Nominal voltage UN		600 V	
Nominal current IN		14 A	
mm <sup>2</sup> /AWG/kcmil		12	

UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	E118976
Nominal voltage UN		600 V	
Nominal current IN		17.5 A	
mm <sup>2</sup> /AWG/kcmil		12	

EAC		RU C- DE.AI30.B.01102
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