

# HC-M-02-CT-F-25 - Contact insert module



1683506

<https://www.phoenixcontact.com/us/products/1683506>

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Contact insert module, number of positions: 2, power contacts: 2, control contacts: 0, Socket, Crimp connection, 1000 V, 70 A, 6 mm<sup>2</sup> ... 25 mm<sup>2</sup>, application: Power, without crimp contacts

## Commercial data

Item number	1683506
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF62
Product key	AF7ACE
GTIN	4067923238633
Weight per piece (including packing)	16 g
Weight per piece (excluding packing)	16 g
Customs tariff number	85389099
Country of origin	DE

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## Technical data

### Notes

General	Order crimp contacts separately
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### Mounting

Assembly note	To ensure correct use, installation in housing with IP54 protection or better is required
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### Product properties

Product type	Modular contact insert
Series	HC-M-02
Application	Power
Number of positions	2
Connection profile	2
Number of module slots	1
No. of power contacts	2
No. of control contacts	0
Contact material type	turned

### Connection data

Connection technology	
Connection technology	Crimp connection

Conductor connection	
Conductor cross-section	6 mm <sup>2</sup> ... 25 mm <sup>2</sup> (The cross section specification refers to the geometric cross section of the cable used)
Connection cross section AWG	10 ... 4 (The cross section specification refers to the geometric cross section of the cable used)

### Dimensions

Width	34 mm
Height	56.4 mm
Length	15 mm

### Electrical properties

Rated voltage (III/3)	1000 V
Rated surge voltage (III/2)	8 kV
Rated surge voltage (III/3)	8 kV
Rated surge voltage	8 kV
Rated current	70 A

### Mechanical properties

Mechanical data	
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Insertion/withdrawal cycles	≥ 500
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## Material specifications

Contact material	Copper alloy
Contact surface material	Ag
Contact carrier material	PC
Standards/regulations	PC

## Environmental and real-life conditions

### Ambient conditions

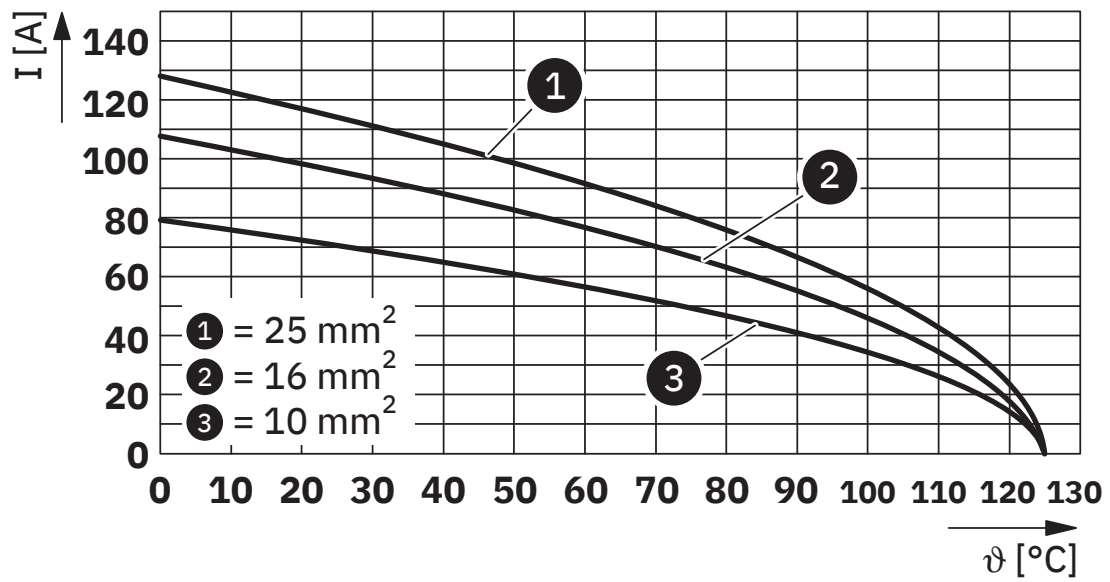
Ambient temperature (operation)	-40 °C ... 125 °C
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## Drawings

Diagram



Derating diagram

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## Classifications

### ECLASS

ECLASS-13.0	27440217
ECLASS-15.0	27440217

### ETIM

ETIM 10.0	EC000438
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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