

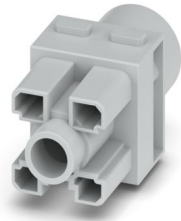
# HC-M-01-CT-F-120 - Contact insert module



1683513

<https://www.phoenixcontact.com/us/products/1683513>

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Contact insert module, number of positions: 1, power contacts: 1, control contacts: 0, Socket, Crimp connection, 1000 V, 300 A, 95 mm<sup>2</sup> ... 120 mm<sup>2</sup>, application: Power, without crimp contacts

## Commercial data

Item number	1683513
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF65
Product key	AF7ACE
GTIN	4067923238817
Weight per piece (including packing)	22.22 g
Weight per piece (excluding packing)	22.22 g
Customs tariff number	85389099
Country of origin	DE

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## Technical data

### 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-01
Application	Power
Number of positions	1
Connection profile	1
Number of module slots	2
No. of power contacts	1
No. of control contacts	0
Contact material type	turned

### Connection data

#### Connection technology

Connection technology	Crimp connection
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#### Conductor connection

Conductor cross-section	95 mm <sup>2</sup> ... 120 mm <sup>2</sup> (The cross section specification refers to the geometric cross section of the cable used)
Connection cross section AWG	3/0 ... 4/0 (The cross section specification refers to the geometric cross section of the cable used)

### Dimensions

Width	34 mm
Height	61.9 mm
Length	29.5 mm

#### Mechanical characteristics

Contact diameter	9.5 mm
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### Electrical properties

Rated voltage (III/3)	1000 V
Rated surge voltage	8 kV
Rated current	300 A

### Mechanical properties

#### Mechanical data

Insertion/withdrawal cycles	≥ 500
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### Material specifications

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

## Environmental and real-life conditions

### Ambient conditions

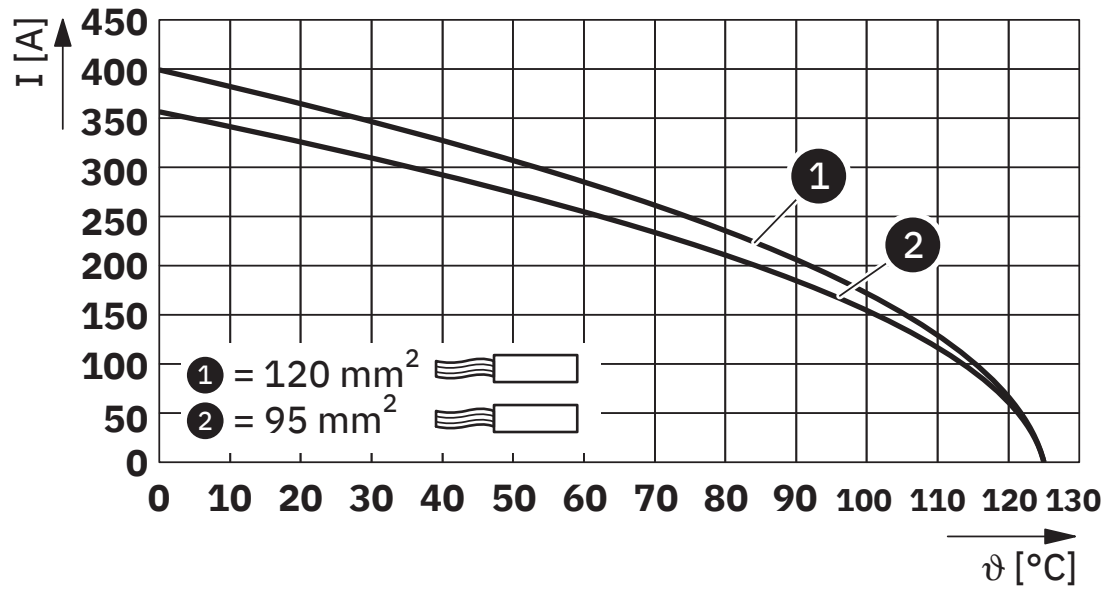
Ambient temperature (operation)	-40 °C ... 125 °C
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## Drawings

Diagram



Derating diagram calculated with derating factor 0.9

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## Classifications

### ECLASS

ECLASS-13.0	27440217
ECLASS-15.0	27440217

### ETIM

ETIM 10.0	EC000438
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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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