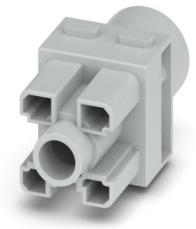
HC-M-01-CT-F-120 - Contact insert module

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^2 ... 120 mm^2, 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

Technical data

Notes

General	Order crimp contacts separately
General	Order crimp contacts separately

Mounting

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

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

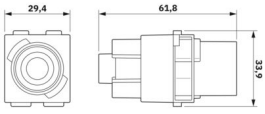
Connection technology

Connection technology	Crimp connection

Conductor connection

Conductor cross-section	95 mm² ... 120 mm² (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

Dimensional drawing	
Width	34 mm
Height	61.9 mm
Length	29.5 mm

Mechanical characteristics

Contact diameter	9.5 mm

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

Material specifications

Contact material	Copper alloy
Contact surface material	Ag
Contact carrier material	PC

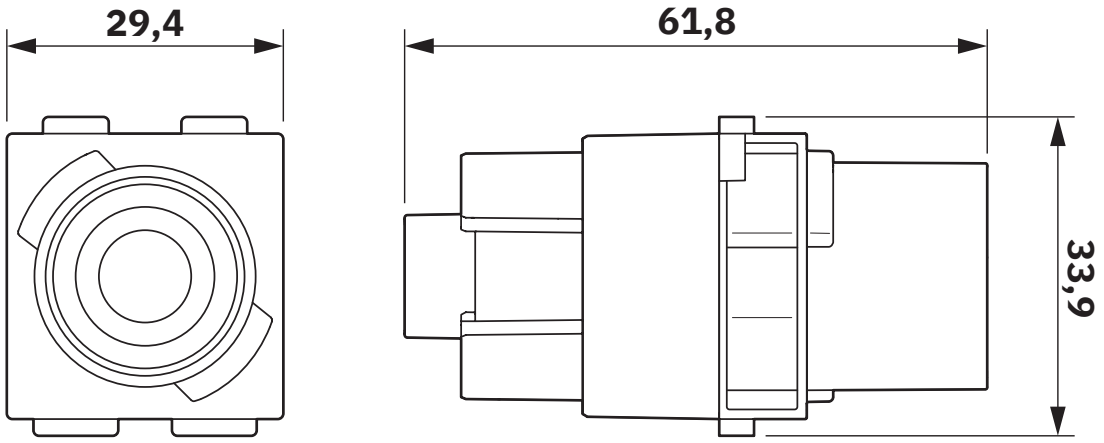
Environmental and real-life conditions

Ambient conditions

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

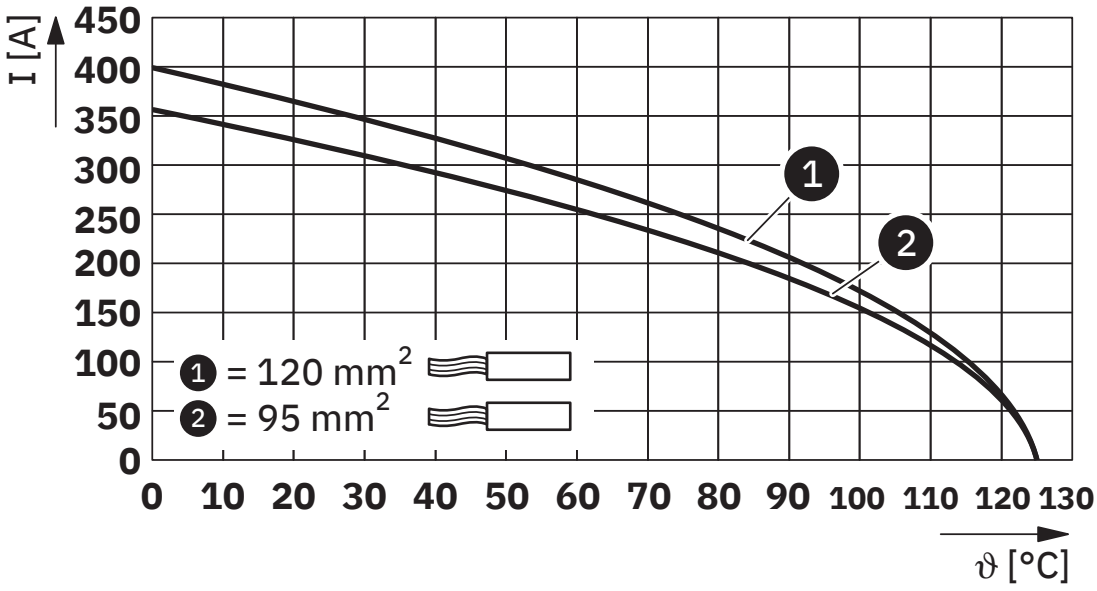
Drawings

Dimensional drawing



Female insert

Diagram



Derating diagram calculated with derating factor 0.9

Classifications

ECLASS

ECLASS-13.0	27440217
ECLASS-15.0	27440217

ETIM

ETIM 10.0	EC000438

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

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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