

HC-M-01-CT-M-35 - Contact insert module



1544120

<https://www.phoenixcontact.com/us/products/1544120>

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Contact insert module, number of positions: 1, power contacts: 1, control contacts: 0, Pin, Crimp connection, 830 V, 100 A, 10 mm² ... 35 mm², application: Power, without crimp contacts

Commercial data

Item number	1544120
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF62
Product key	AF7ACE
GTIN	4067923017313
Weight per piece (including packing)	14.4 g
Weight per piece (excluding packing)	13 g
Customs tariff number	85389099
Country of origin	DE

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Technical data

Notes

General	For HEAVYCON housing design B6 to B48, HC-M-MHR... hinged retaining frame required, CK8,0-ED... crimp contacts (crimp contacts not supplied as standard)
General	Order crimp contacts separately

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	1
No. of power contacts	1
No. of control contacts	0
Contact material type	turned

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Connection data

Connection technology

Connection technology	Crimp connection
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Conductor connection

Conductor cross-section	10 mm ² ... 35 mm ² (The cross section specification refers to the geometric cross section of the cable used)
Connection cross section AWG	8 ... 2 (The cross section specification refers to the geometric cross section of the cable used)

Dimensions

Width	34 mm
Height	58 mm
Length	15 mm

Mechanical characteristics

Minimum housing height	72 mm
Contact diameter	8 mm

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Electrical properties

Rated voltage (III/2) contacts	1000 V
Rated voltage (III/3)	830 V
Rated surge voltage	8 kV
Rated current	100 A
Nominal voltage U_N	1000 V (The UL voltage specification is based on the specifications of UL 840 in accordance with UL 2237.)

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 500
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Material specifications

Flammability rating according to UL 94	V0
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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Standards and regulations

Testing

Standards/regulations	PC: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)
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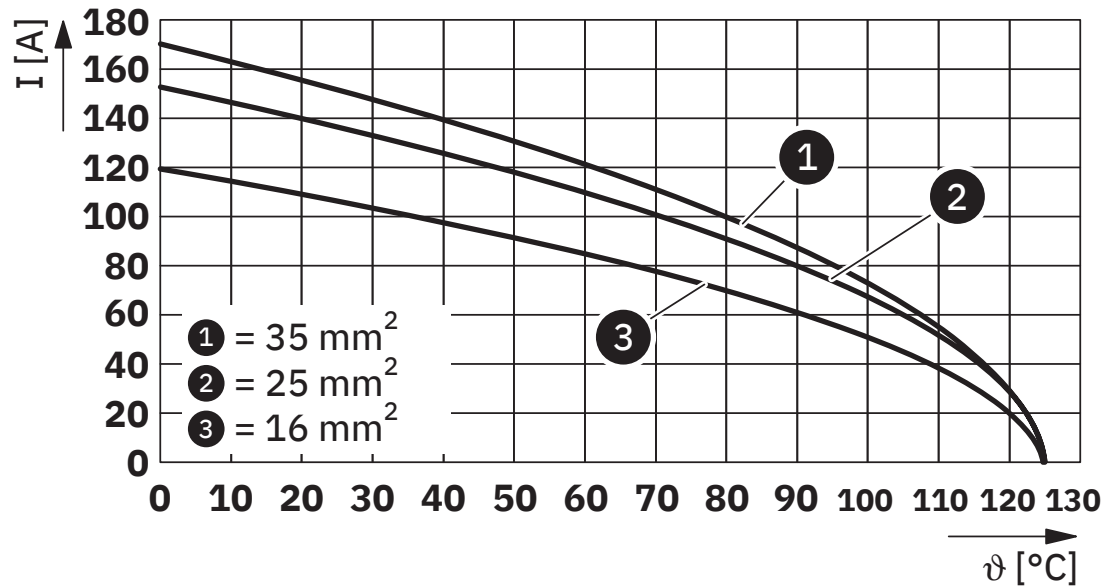


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Drawings

Diagram



Derating diagram

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1544120>

DNV

Approval ID: TAE000037S



CSA

Approval ID: 158887

	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
keine				
	1000 V	100 A	- 2	-



UL Recognized

Approval ID: E468743

	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
keine				
	1000 V	100 A	- 2	-

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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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