

HC-M-01-PT-M-16 - Contact insert module



1544116
<https://www.phoenixcontact.com/us/products/1544116>

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Contact insert module, number of positions: 1, power contacts: 1, control contacts: 0, Pin, Push-in connection, 830 V, 76 A, 2.5 mm² ... 16 mm², application: Power

Commercial data

Item number	1544116
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF62
Product key	AF7ACE
GTIN	4067923017436
Weight per piece (including packing)	34.5 g
Weight per piece (excluding packing)	22.22 g
Customs tariff number	85366990
Country of origin	PL

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Technical data

Notes

General	For HEAVYCON HC-B6 to B48 housings with a tall design and snap-in retaining frames.
General	Connectors may be operated only when there is no load/voltage.
General	25 mm ² litz wire without ferrule

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	Push-in connection
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Conductor connection

Conductor cross section	2.5 mm ² ... 16 mm ² (The cross section specification refers to the geometric cross section of the cable used)
Connection cross section AWG	14 ... 6 (The cross section specification refers to the geometric cross section of the cable used)
Stripping length of the individual wire	19 mm ±1 mm

Dimensions

Width	34 mm
Height	63 mm
Length	15 mm

Mechanical characteristics

Minimum housing height	72 mm
Contact diameter	8 mm

Electrical properties

Rated voltage (III/2) contacts	1000 V
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Rated voltage (III/3)	830 V
Rated surge voltage	8 kV
Rated current	76 A

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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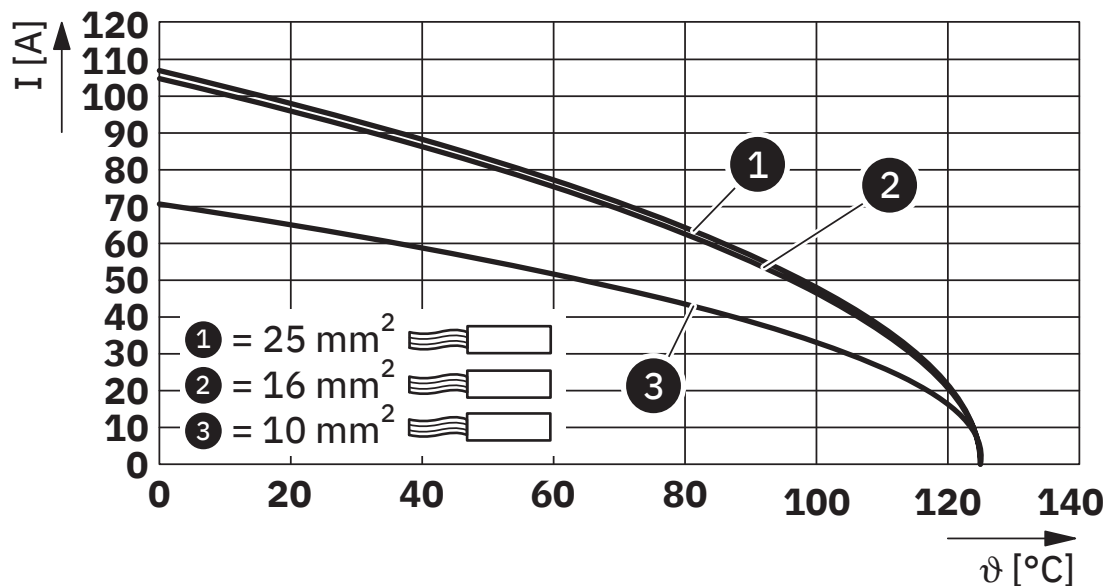
Standards and regulations

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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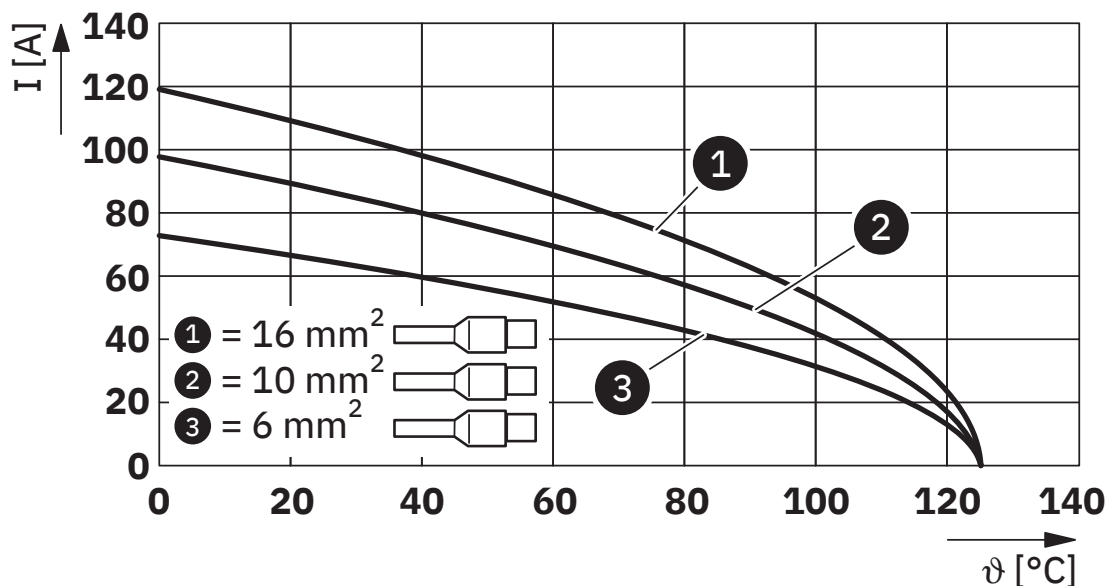
Drawings

Diagram



Derating diagram for flexible conductors

Diagram



Derating diagram for flexible conductors with ferrule

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1544116>

 CSA Approval ID: 158887				
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
keine				
	1000 V	76 A	- 6	-

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Classifications

ECLASS

ECLASS-13.0	27440217
ECLASS-15.0	27440217

ETIM

ETIM 9.0	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
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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