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

1414361

https://www.phoenixcontact.com/us/products/1414361

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Contact insert module, number of positions: 2, power contacts: 2, control contacts: 0, Socket, Crimp connection, 830 V, 40 A, 1.5 mm^2 ... 10 mm^2, application: Power

Commercial data

Item number	1414361
Packing unit	5 pc
Minimum order quantity	1 pc
Sales key	BF62
Product key	AF7ACE
GTIN	4055626025049
Weight per piece (including packing)	10.423 g
Weight per piece (excluding packing)	10.423 g
Customs tariff number	85389099
Country of origin	PL

Technical data

Notes

General	For HEAVYCON housing type B6 to B48, HC-M-B...MF-... hinged module carrier frame required, CK4,0..... crimp contacts, crimp contacts not supplied as standard.
General	Connectors may be operated only when there is no load/voltage.

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-02
Application	Power
Number of positions	2
Connection profile	2
Contact numbering	1 - 2
Number of module slots	1
No. of power contacts	2
No. of control contacts	0
Contact material type	turned

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Connection data

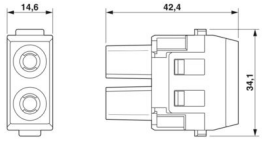
Connection technology

Connection technology	Crimp connection
Connection in acc. with standard	IEC / EN

Conductor connection

Conductor cross-section	1.5 mm² ... 10 mm²
Connection cross section AWG	16 ... 8
Stripping length of the individual wire	9 mm (for 1.5 mm² ... 2.5 mm²)
	14 mm (for 4 mm² ... 6 mm²)
	14 mm (for 10 mm²)

Dimensions

Dimensional drawing	
Width	34.2 mm
Height	42.4 mm
Length	14.6 mm

Mechanical characteristics

Contact diameter	4 mm

Electrical properties

Rated voltage (III/2) contacts	1000 V
Rated voltage (III/3)	830 V
Rated surge voltage (III/2)	8 kV
Rated surge voltage (III/3)	8 kV
Rated surge voltage	8 kV
Rated current	40 A
SCCR	5 kA (UL 2237)

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 500

Material specifications

Flammability rating according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Ag
Contact carrier material	PC

Environmental and real-life conditions

Ambient conditions

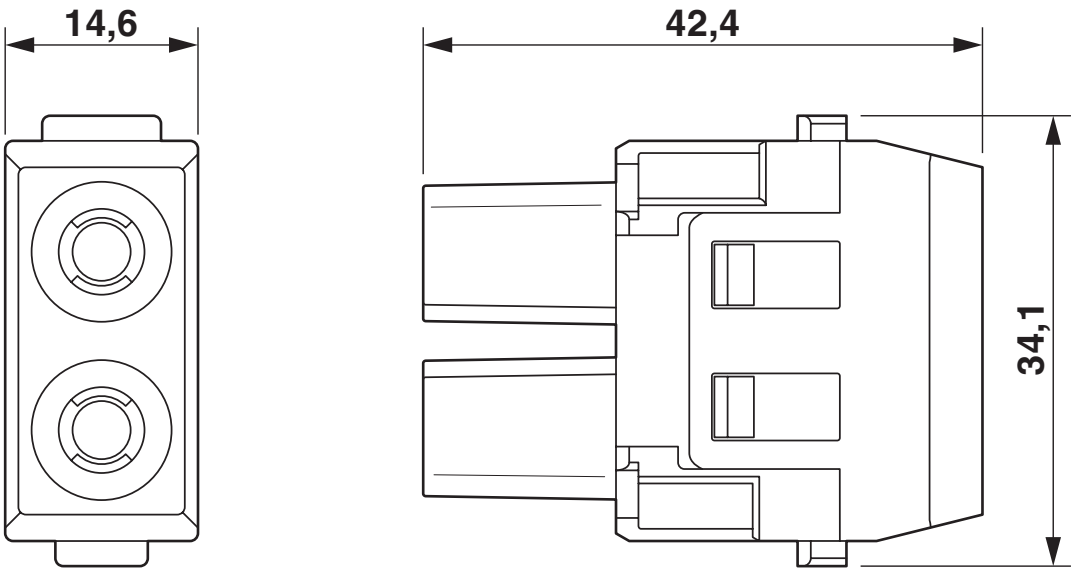
Ambient temperature (operation)	-40 °C ... 125 °C

Standards and regulations

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

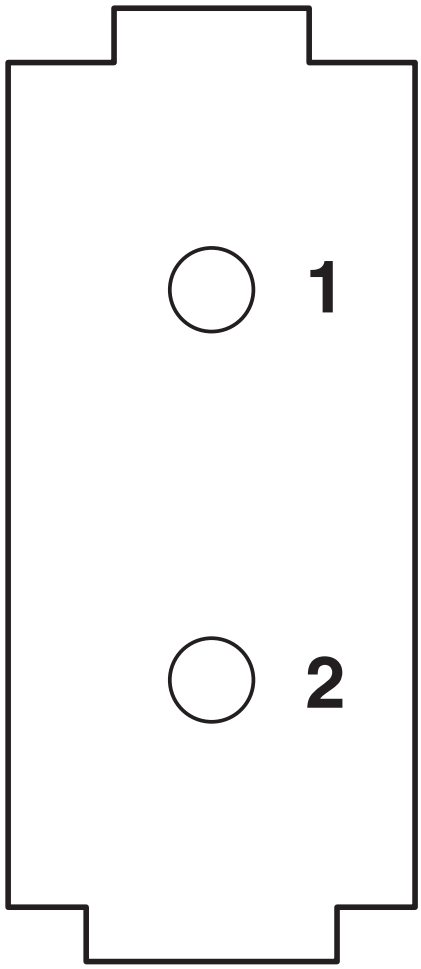
Drawings

Dimensional drawing



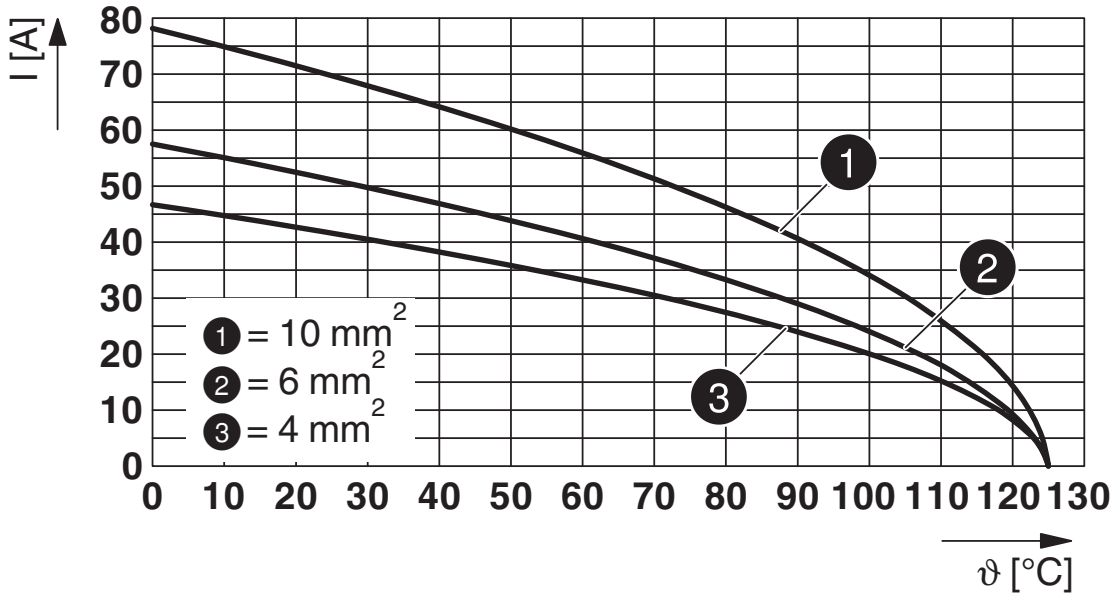
Female insert

Schematic diagram



Connector pin assignment, connection side

Diagram



Derating diagram

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1414361

DNV
Approval ID: TAE000037S

CSA
Approval ID: 158887

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	600 V	34 A	- 10	-

UL Recognized
Approval ID: E118976

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	600 V	42 A	- 10	-

UL Recognized
Approval ID: E468743

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	600 V	42 A	-	-

Classifications

ECLASS

ECLASS-13.0	27440217
ECLASS-15.0	27440217

ETIM

ETIM 10.0	EC000438

UNSPSC

UNSPSC 21.0	39121400

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%

EF3.1 Climate Change

CO2e kg	0.068 kg CO2e

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https://www.phoenixcontact.com

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com