HC-M-05L-TPT-F - Contact insert module

1423962

https://www.phoenixcontact.com/us/products/1423962

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Contact insert module, number of positions: 5, power contacts: 5, control contacts: 0, number of connections per position: 2, Socket, Push-in connection, 230 V/400 V, 16 A, 0.25 mm^2 ... 1.5 mm^2, application: Power

Your advantages

- Easy installation without tools, even when mounted, with push-in connection technology
- Shortest installation time compared to other connection technologies
- Quick and effortless wiring, in particular when space is tight
- Automatic cabling with robots possible
- Safe wiring and operation with color-coded actuators
- Shock and vibration-resistant in accordance with DIN EN 61373
- Double conductor connection per pos.

Commercial data

Item number	1423962
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF62
Product key	AF7ACE
GTIN	4055626365817
Weight per piece (including packing)	19 g
Weight per piece (excluding packing)	18 g
Customs tariff number	85366990
Country of origin	PL

Technical data

Notes

General	Use only flexible conductors with ferrule (in conjunction with CRIMPFOX 6 only)
General	Connectors may be operated only when there is no load/voltage.
General	For HEAVYCON housing type B6 to B48, HC-M-B...MF-... module carrier frame required

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-05-T
Application	Power
Number of positions	5
Connection profile	5
Contact numbering	1 - 5
Number of connections per position	2
Number of module slots	1
No. of power contacts	5
No. of control contacts	0
Contact material type	rolled

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Connection data

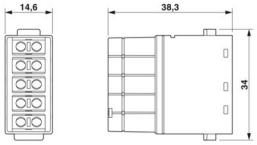
Connection technology

Connection technology	Push-in connection
Number of connections per position	2

Conductor connection

Conductor cross-section	0.25 mm² ... 1.5 mm²
Connection cross section AWG	24 ... 16
Stripping length of the individual wire	8 mm ±1 mm

Dimensions

Dimensional drawing	
Width	34 mm
Height	38 mm
Length	14.6 mm

Mechanical characteristics

Contact diameter	2.5 mm

Electrical properties

Rated voltage (III/3)	230 V (Conductor-PE)
	400 V (Conductor-Conductor)
Rated voltage for power contacts	230/400 V
Rated surge voltage	4 kV
Rated current	16 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	PA

Environmental and real-life conditions

Ambient conditions

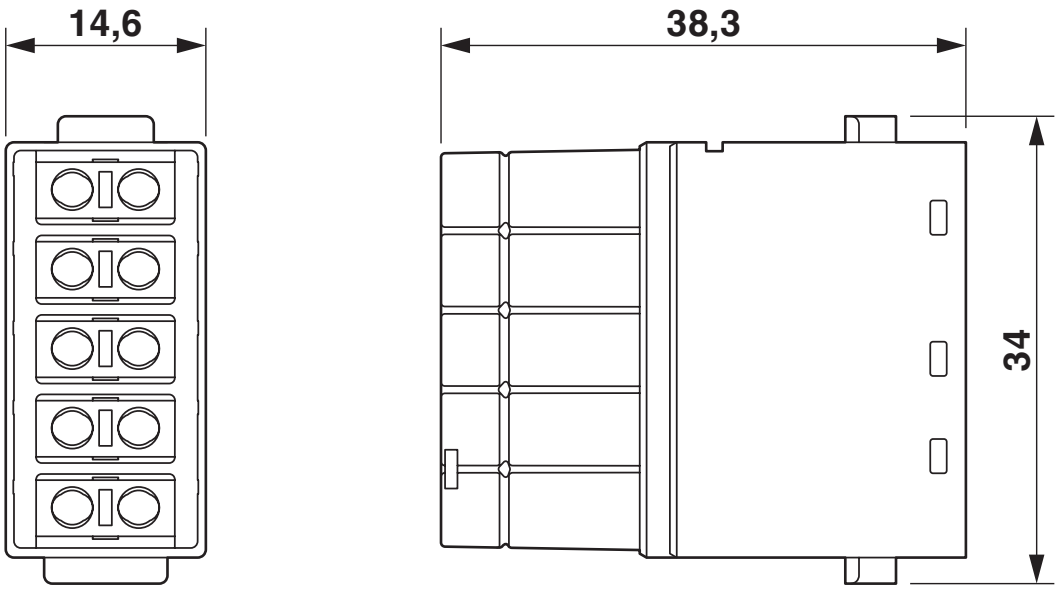
Ambient temperature (operation)	-40 °C ... 125 °C

Standards and regulations

Constructional and testing regulations	DIN EN 61984
	DIN EN 60664
Tests	DIN EN 61984
	DIN EN 60664
Standards/regulations	PA: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)

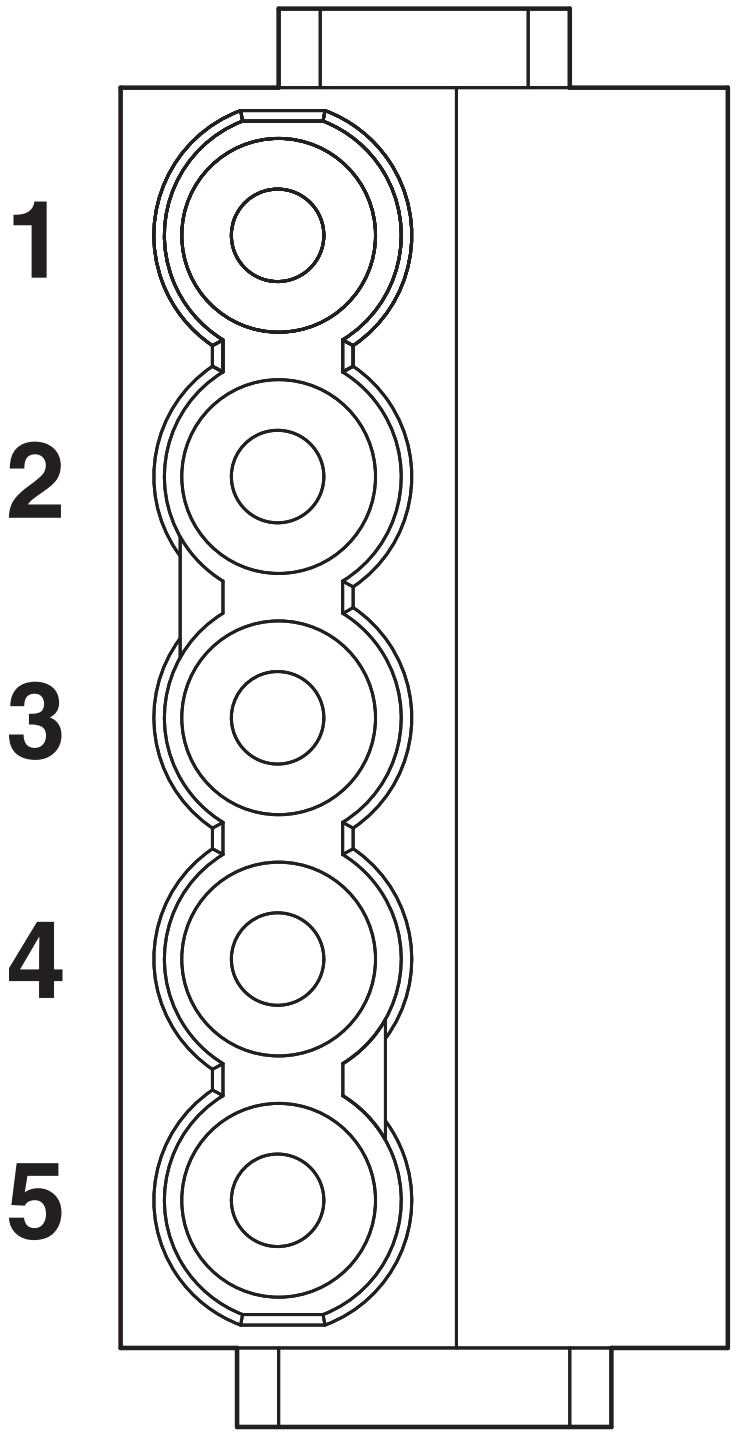
Drawings

Dimensional drawing



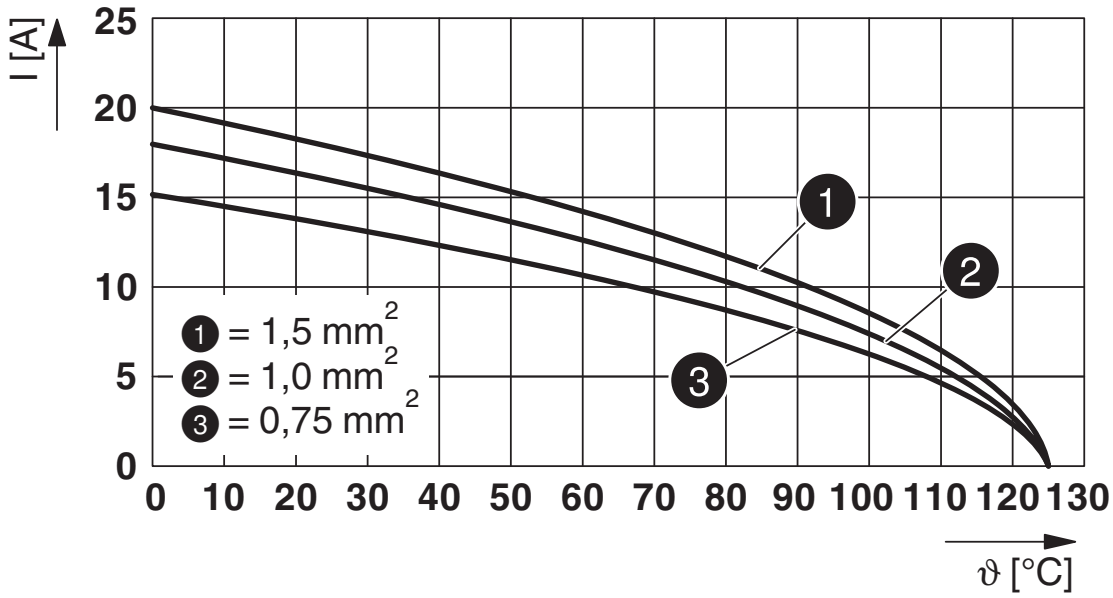
Dimensional drawing

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/1423962

UL Recognized
Approval ID: E468743

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	600 V	16 A	-	-

CSA
Approval ID: 158887

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	600 V	12 A	- 16	-

UL Recognized
Approval ID: E118976

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	600 V	16 A	-	-

VDE Zeichengenehmigung
Approval ID: 40050148

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	400 V	10 A	-	0.25 - 2.5

Classifications

ECLASS

ECLASS-15.0	27440217
ECLASS-13.0	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%

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