

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



1423961

<https://www.phoenixcontact.com/us/products/1423961>

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Contact insert module, number of positions: 5, power contacts: 5, control contacts: 0, number of connections per position: 2, Pin, Push-in connection, 230 V/400 V, 16 A, 0.25 mm<sup>2</sup> ... 1.5 mm<sup>2</sup>, 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	1423961
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF62
Product key	AF7ACE
GTIN	4055626365800
Weight per piece (including packing)	17.9 g
Weight per piece (excluding packing)	17 g
Customs tariff number	85366990
Country of origin	PL

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## Technical data

### 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-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

Overtoltage category	III
Degree of pollution	3

### Connection data

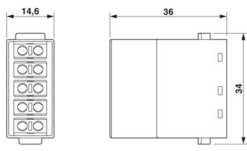
#### Connection technology

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

#### Conductor connection

Conductor cross-section	0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Connection cross section AWG	24 ... 16
Stripping length of the individual wire	8 mm ± 1 mm

### Dimensions

Dimensional drawing	
Width	34 mm
Height	36 mm
Length	14.6 mm

### Mechanical characteristics

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Contact diameter	2.5 mm
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## 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
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## Material specifications

Flammability rating according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Ag
Contact carrier material	PA
Standards/regulations	PA

## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C
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## Standards and regulations

Constructional and testing regulations	DIN EN 61984
	DIN EN 60664
Tests	DIN EN 61984
	DIN EN 60664

### Testing

Standards/regulations	PA: 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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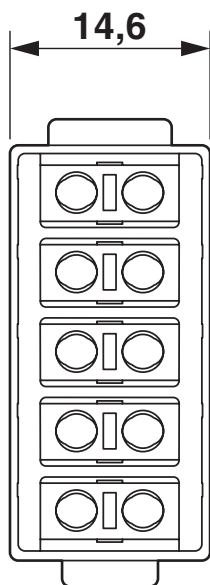


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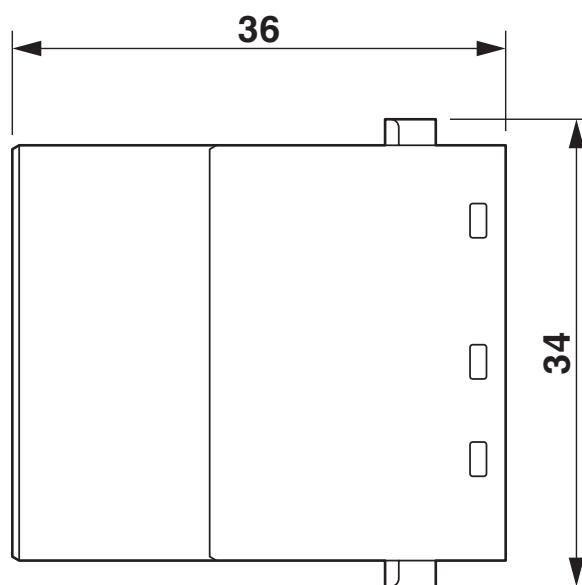
<https://www.phoenixcontact.com/us/products/1423961>

## Drawings

Dimensional drawing



Dimensional drawing

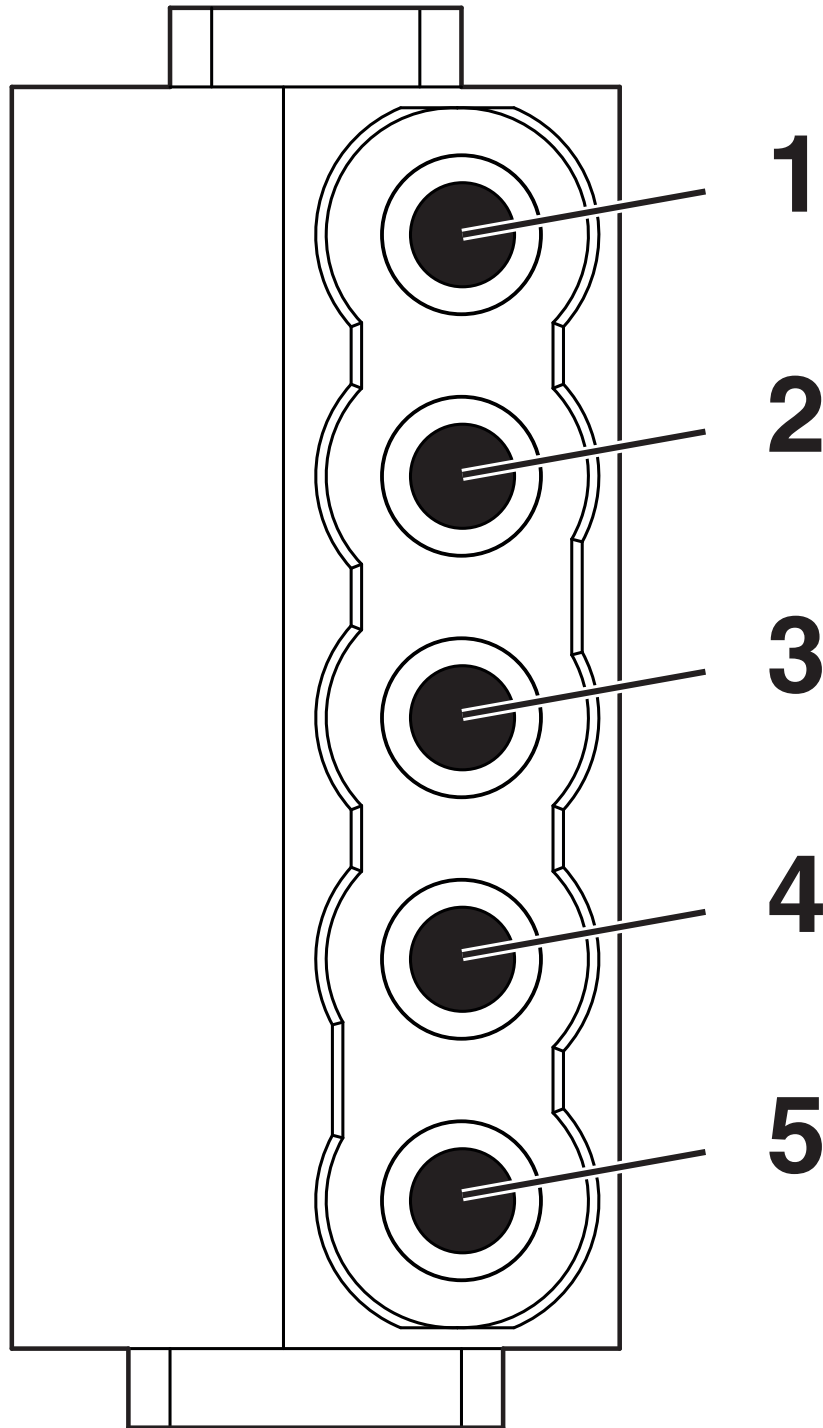


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Schematic diagram



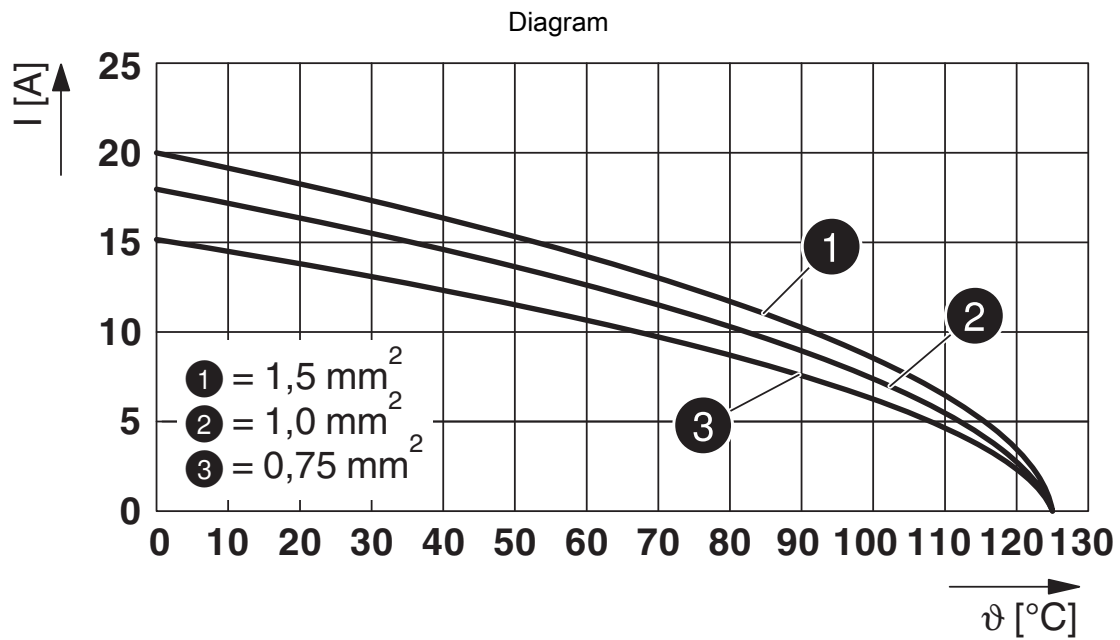
Connector pin assignment, connection side

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Derating diagram

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1423961>

 <b>UL Recognized</b> Approval ID: E468743				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	600 V	16 A	-	-

 <b>CSA</b> Approval ID: 158887				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	600 V	12 A	- 16	-

 <b>UL Recognized</b> Approval ID: E118976				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	600 V	16 A	-	-

 <b>VDE Zeichengenehmigung</b> Approval ID: 40050148				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	400 V	10 A	-	0.25 - 2.5

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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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