

# Contact insert module - HC-M-05L-TPT-F - 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<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.



COMPLETE line Push-in Technology<sup>®</sup>  
Designed by Phoenix Contact

## Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 365817
GTIN	4055626365817

## Technical data

### Dimensions

Height	38 mm
Width	34 mm
Length	14.6 mm

### Electrical characteristics

Rated voltage (III/3)	230 V (Conductor-PE) 400 V (Conductor-Conductor)
Rated current	16 A
Rated surge voltage	4 kV
Connection profile	5

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## Technical data

### Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C
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### Mechanical characteristics

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
Contact diameter	2.5 mm
Insertion/withdrawal cycles	≥ 500

### General

Note	only use flexible conductors with ferrules
	Connectors may be operated only when there is no load/voltage.
	For HEAVYCON housing type B6 to B48, HC-M-B...MF-... hinged module carrier frame required.
Series	HC-M-05-T
Color	light gray
Number of module slots	1
Connection method	Push-in connection
Number of connections per position	2
Contact type	rolled
Flammability rating according to UL 94	V0
Degree of pollution	3
Overvoltage category	III
Assembly instructions	To ensure correct use, installation in housing with IP54 protection or better is required
Contact carrier type	modular

### Material data

Contact material	Copper alloy
Contact surface material	Ag
Contact carrier material	PC

### Standards and Regulations

Constructional and testing regulations	DIN EN 61984
	DIN EN 60664
Flammability rating according to UL 94	V0

### Environmental Product Compliance

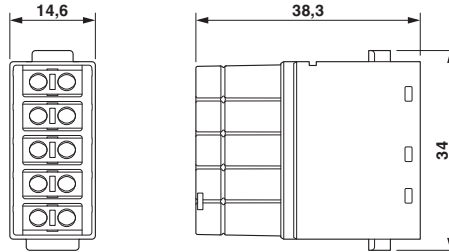
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Drawings

# Contact insert module - HC-M-05L-TPT-F - 1423962

Schematic diagram

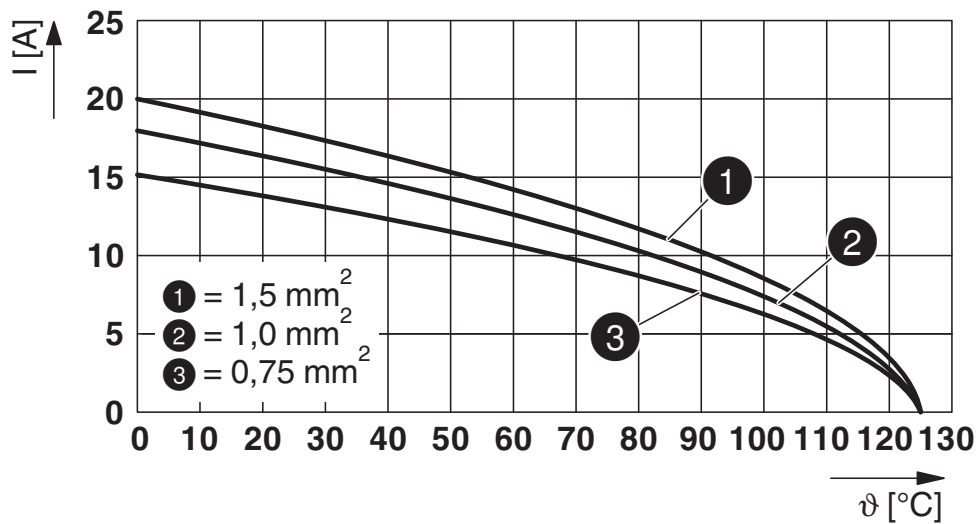
Dimensional drawing



Dimensional drawing

Connector pin assignment, connection side

Diagram



Derating diagram

## Classifications

eCl@ss

eCl@ss 10.0.1	27440217
eCl@ss 11.0	27440217
eCl@ss 5.1	27261200
eCl@ss 6.0	27261200
eCl@ss 7.0	27440205
eCl@ss 9.0	27440217

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## Classifications

### ETIM

ETIM 6.0	EC000438
ETIM 7.0	EC000438

### UNSPSC

UNSPSC 18.0	39121421
UNSPSC 19.0	39121421
UNSPSC 20.0	39121421
UNSPSC 21.0	39121421

## Approvals


### Approvals


#### Approvals


CSA / UL Recognized / EAC / VDE Zeichengenehmigung

#### Ex Approvals

### Approval details

CSA		<a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a>	13631
Nominal voltage UN		600 V	
Nominal current IN		12 A	
mm <sup>2</sup> /AWG/kcmil		16	

UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	E118976
Nominal voltage UN		600 V	
Nominal current IN		16 A	
mm <sup>2</sup> /AWG/kcmil		16	

EAC		RU C- DE.BL08.B.00511
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## Approvals

VDE Zeichengenehmigung		<a href="http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx">http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx</a>	40050148
Nominal voltage UN		400 V	
Nominal current IN		10 A	
mm <sup>2</sup> /AWG/kcmil		0.25-2.5	

## Accessories

### Accessories

#### Crimping tool

Crimping pliers - CRIMPFOX 6 - 1212034



Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 0.25 mm<sup>2</sup> ... 6.0 mm<sup>2</sup>, lateral entry, trapezoidal crimp

#### Module carrier frame

Module carrier frame - HC-M-B06-MFH-B - 1182085



Module carrier frame, size: B6, type : for the panel mounting side (a, b, c, ...), 4 mm<sup>2</sup> ... 6 mm<sup>2</sup>, application: Module carrier frame

Module carrier frame - HC-M-B10-MFH-B - 1182088



Module carrier frame, size: B10, type : for the panel mounting side (a, b, c, ...), 4 mm<sup>2</sup> ... 6 mm<sup>2</sup>, application: Module carrier frame

Module carrier frame - HC-M-B16-MFH-B - 1182090



Module carrier frame, size: B16, type : for the panel mounting side (a, b, c, ...), 4 mm<sup>2</sup> ... 6 mm<sup>2</sup>, application: Module carrier frame

## Contact insert module - HC-M-05L-TPT-F - 1423962

### Accessories

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#### Module carrier frame - HC-M-B24-MFH-B - 1182094



Module carrier frame, size: B24, type : for the panel mounting side (a, b, c, ...), 4 mm<sup>2</sup> ... 6 mm<sup>2</sup>, application: Module carrier frame

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#### Module carrier frame - HC-M-B06-MFH-H - 1182087



Module carrier frame, size: B6, type : for the sleeve side (A, B, C, ...), 4 mm<sup>2</sup> ... 6 mm<sup>2</sup>, application: Module carrier frame

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#### Module carrier frame - HC-M-B10-MFH-H - 1182089



Module carrier frame, size: B10, type : for the sleeve side (A, B, C, ...), 4 mm<sup>2</sup> ... 6 mm<sup>2</sup>, application: Module carrier frame

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#### Module carrier frame - HC-M-B16-MFH-H - 1182093



Module carrier frame, size: B16, type : for the sleeve side (A, B, C, ...), 4 mm<sup>2</sup> ... 6 mm<sup>2</sup>, application: Module carrier frame

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#### Module carrier frame - HC-M-B24-MFH-H - 1182095



Module carrier frame, size: B24, type : for the sleeve side (A, B, C, ...), 4 mm<sup>2</sup> ... 6 mm<sup>2</sup>, application: Module carrier frame

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### Additional products

## Contact insert module - HC-M-05L-TPT-F - 1423962

### Accessories

Contact insert module - HC-M-05L-TPT-M - 1423961



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