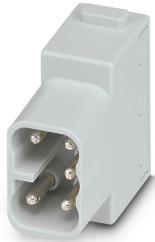


Contact insert module - HC-M-05-PT-M - 1417372

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Contact insert module, number of positions: 5, power contacts: 5, control contacts: 0, Pin, Push-in connection, 400 V, 16 A, 0.14 mm² ... 2.5 mm², 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



COMPLETE line Push-in Technology[®]
Designed by Phoenix Contact

Key Commercial Data

Packing unit	1 pc
Minimum order quantity	5 pc
GTIN	 4 055626 112541
GTIN	4055626112541
Weight per Piece (excluding packing)	16.000 g
Custom tariff number	85366990
Country of origin	Poland

Technical data

Dimensions

Height	35.5 mm
Width	34.2 mm
Length	14.6 mm

Contact insert module - HC-M-05-PT-M - 1417372

Technical data

Electrical characteristics

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

Ambient conditions

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

Conductor cross section	0.14 mm ² ... 2.5 mm ²
Connection cross section AWG	26 ... 14
Stripping length of the individual wire	8 mm ±1 mm
Contact diameter	2.5 mm
Insertion/withdrawal cycles	≥ 500
Minimum housing height	52 mm

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... module carrier frame required
Series	HC-M-05
Color	light gray
Number of module slots	1
Connection method	Push-in connection
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

Flammability rating according to UL 94	V0
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Contact insert module - HC-M-05-PT-M - 1417372

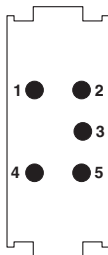
Technical data

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

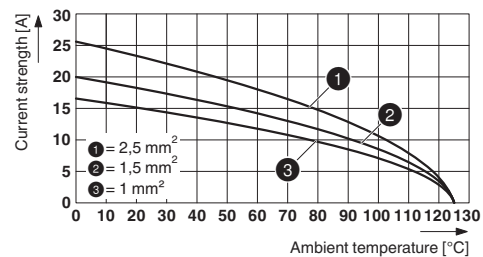
Drawings

Schematic diagram



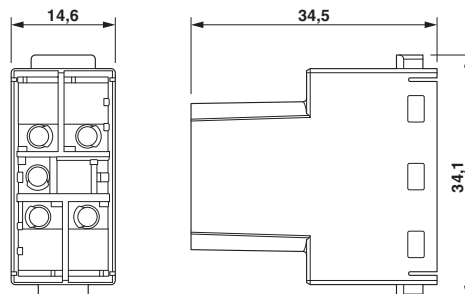
Connector pin assignment, connection side

Diagram



Derating diagram

Dimensional drawing



Dimensional drawing

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

Contact insert module - HC-M-05-PT-M - 1417372

Classifications

ETIM

ETIM 6.0	EC000438
ETIM 7.0	EC000438

UNSPSC

UNSPSC 13.2	39121421
UNSPSC 18.0	39121421
UNSPSC 19.0	39121421
UNSPSC 20.0	39121421
UNSPSC 21.0	39121421

Approvals

Approvals

Approvals

CSA / UL Recognized / EAC / EAC

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	13631
		Nominal voltage UN	600 V
		Nominal current IN	15 A
		mm²/AWG/kcmil	14

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E118976
		Nominal voltage UN	600 V
		Nominal current IN	19 A
		mm²/AWG/kcmil	14

Contact insert module - HC-M-05-PT-M - 1417372

Approvals

EAC		RU C- DE.AI30.B.01102
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EAC		RU C- DE.BL08.B.00511
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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 mm² ... 6.0 mm², 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 mm² ... 6 mm², 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 mm² ... 6 mm², application: Module carrier frame

Contact insert module - HC-M-05-PT-M - 1417372

Accessories

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



Module carrier frame, size: B16, type : for the panel mounting side (a, b, c, ...), 4 mm² ... 6 mm², application: Module carrier frame

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



Module carrier frame, size: B24, type : for the panel mounting side (a, b, c, ...), 4 mm² ... 6 mm², application: Module carrier frame

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



Module carrier frame, size: B6, type : for the sleeve side (A, B, C, ...), 4 mm² ... 6 mm², application: Module carrier frame

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



Module carrier frame, size: B10, type : for the sleeve side (A, B, C, ...), 4 mm² ... 6 mm², application: Module carrier frame

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



Module carrier frame, size: B16, type : for the sleeve side (A, B, C, ...), 4 mm² ... 6 mm², application: Module carrier frame

Contact insert module - HC-M-05-PT-M - 1417372

Accessories

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



Module carrier frame, size: B24, type : for the sleeve side (A, B, C, ...), 4 mm² ... 6 mm², application: Module carrier frame

Additional products

Contact insert module - HC-M-05-PT-F - 1417373



Contact insert module, number of positions: 5, power contacts: 5, control contacts: 0, Socket, Push-in connection, 400 V, 16 A, 0.14 mm² ... 2.5 mm², application: Power