HC-M-06-PT-M - Contact insert module

1424225

https://www.phoenixcontact.com/ae/products/1424225

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Contact insert module, number of positions: 6, power contacts: 6, control contacts: 0, Pin, Push-in connection, 500 V, 16 A, 0.5 mm^2 ... 2.5 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

Commercial data

Item number	1424225
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AF7
Product key	AF7ACE
GTIN	4055626369563
Weight per piece (including packing)	19.99 g
Weight per piece (excluding packing)	18.3 g
Customs tariff number	85366990
Country of origin	CN

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Technical data

Notes

General	for flexible conductors with or without ferrules
General	Connectors may be operated only when there is no load/voltage.
General	Flexible conductors may be used without ferrules as long as they comply with IEC 60228 Class 1 ... 5. The individual litz wires must have a min. diameter of 0.17 mm.
General	For HEAVYCON housing type B6 ... B48 and module carrier frame HC-M-B...MF-...

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-06
Application	Power
Number of positions	6
Connection profile	6
Contact numbering	1 - 6
Number of module slots	1
No. of power contacts	6
No. of control contacts	0
Contact material type	turned

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Connection data

Connection technology

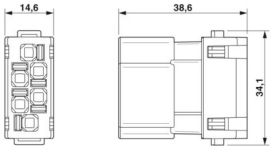
Connection technology	Push-in connection

Conductor connection

Conductor cross section	0.5 mm² ... 2.5 mm²
Connection cross section AWG	20 ... 14
Stripping length of the individual wire	10 mm

Dimensions

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Dimensional drawing	
Width	34.1 mm
Height	39 mm
Length	14.6 mm

Mechanical characteristics

Contact diameter	2.5 mm

Electrical properties

Rated voltage (III/3)	500 V
Rated surge voltage	6 kV
Rated current	16 A (power contacts)
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

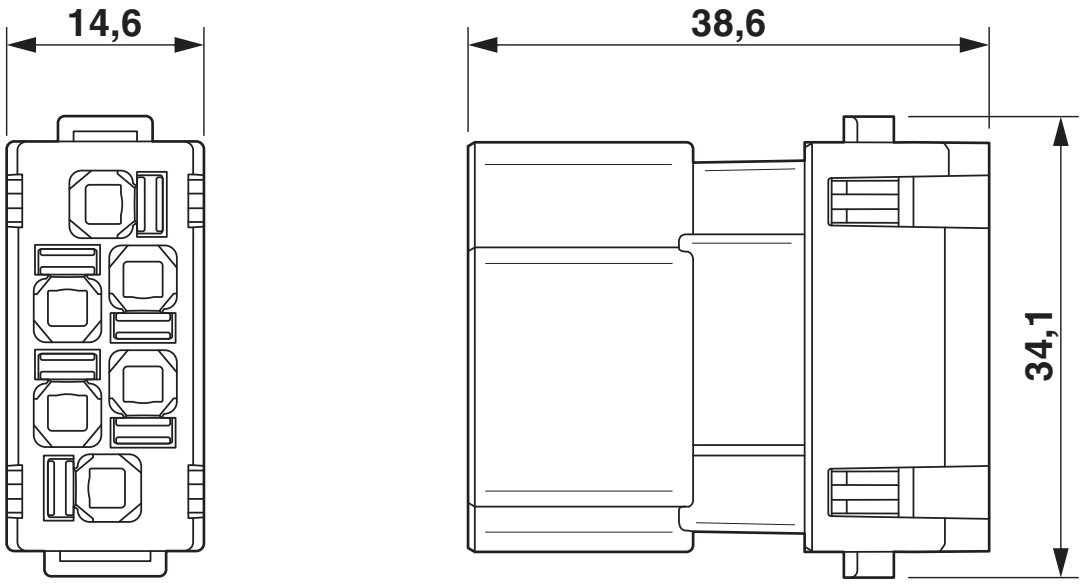
Ambient conditions

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

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Drawings

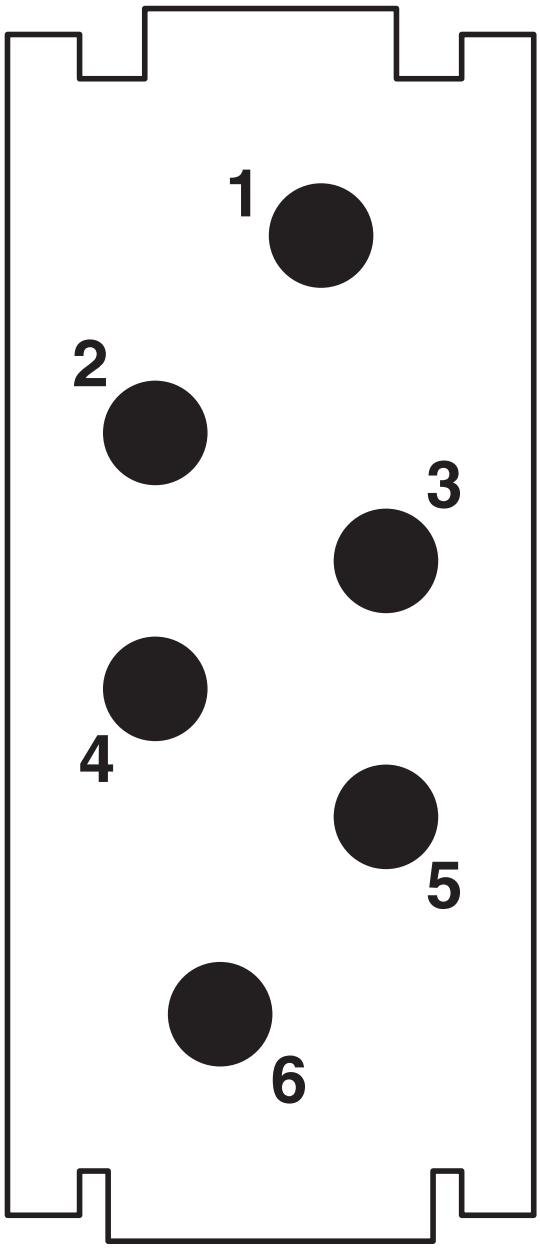
Dimensional drawing



Dimensional drawing

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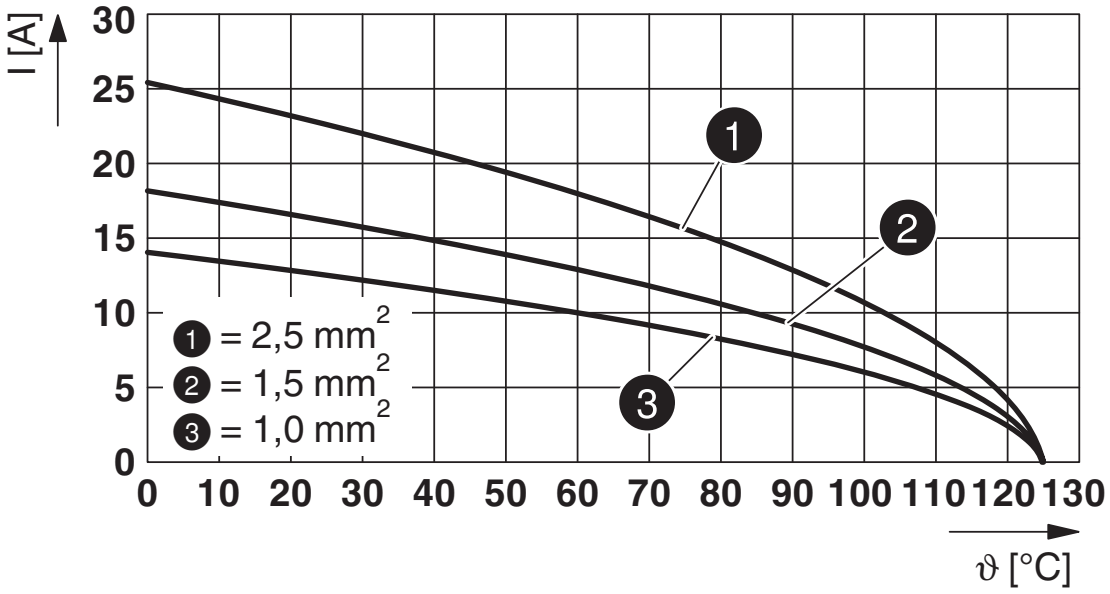
Schematic diagram



Connector pin assignment, connection side

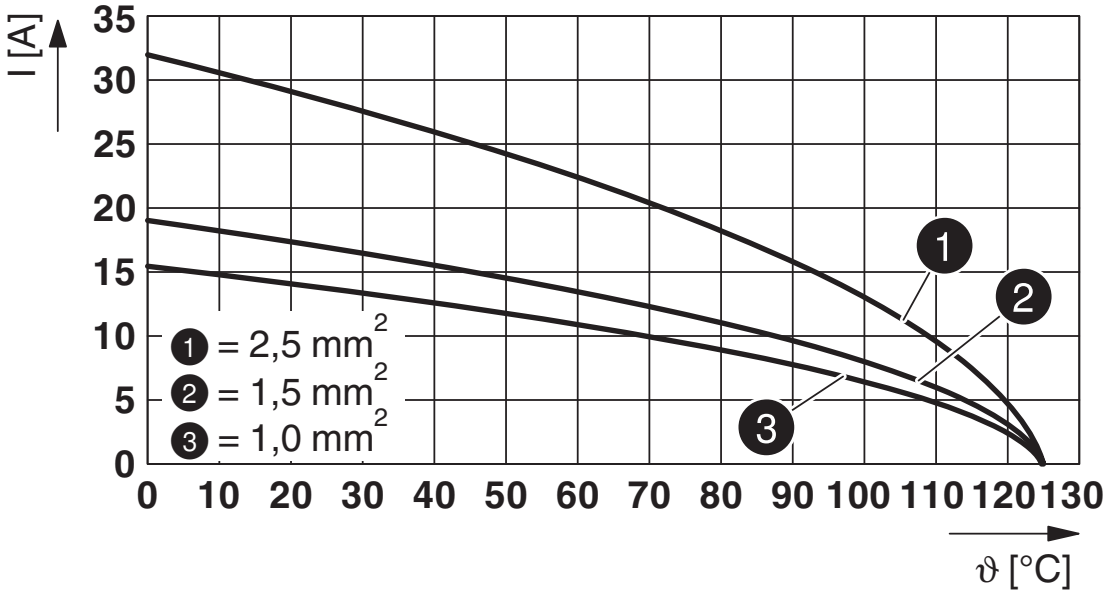
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Diagram



Derating diagram for flexible conductors

Diagram



Derating diagram for flexible conductors with ferrule

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Approvals

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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	- 14	-

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Classifications

ECLASS

ECLASS-13.0	27440217
ECLASS-15.0	27440217

ETIM

ETIM 9.0	EC000438

UNSPSC

UNSPSC 21.0	39121400

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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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