

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



1424224

<https://www.phoenixcontact.com/us/products/1424224>

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Contact insert module, number of positions: 6, power contacts: 6, control contacts: 0, Socket, Push-in connection, 500 V, 16 A, 0.5 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

Commercial data

Item number	1424224
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF62
Product key	BF7ACE
Catalog page	Page 577 (C-2-2019)
GTIN	4055626369556
Weight per piece (including packing)	19.1 g
Weight per piece (excluding packing)	19.1 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
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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

Data management status

Article revision	04
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Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Connection data

Connection technology

Connection technology	Push-in connection
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Conductor connection

Conductor cross section	0.5 mm ² ... 2.5 mm ²
Connection cross section AWG	20 ... 14
Stripping length of the individual wire	10 mm

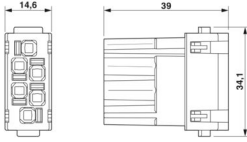
Dimensions

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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)

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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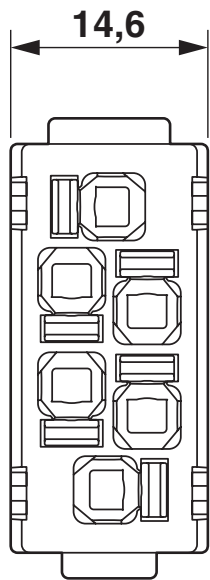


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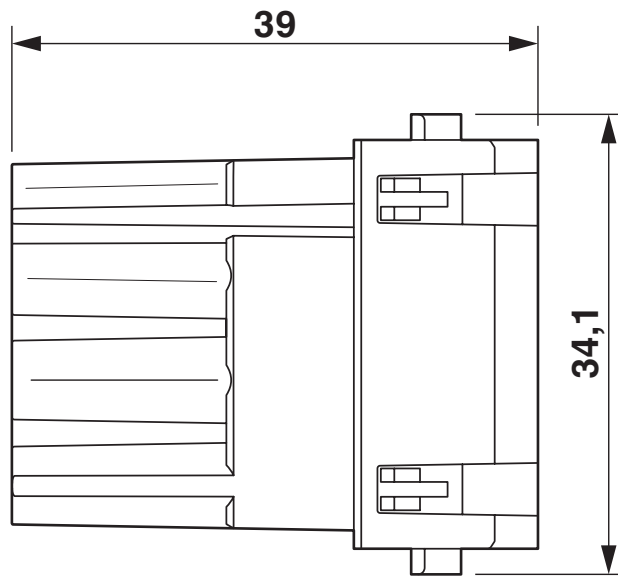
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Drawings

Dimensional drawing



Dimensional drawing



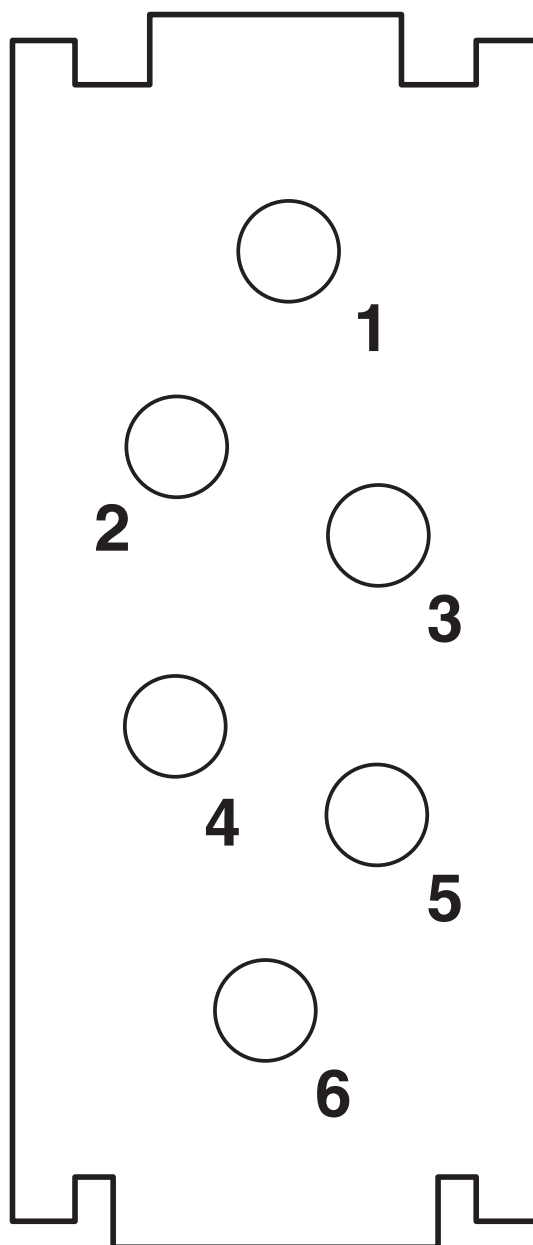
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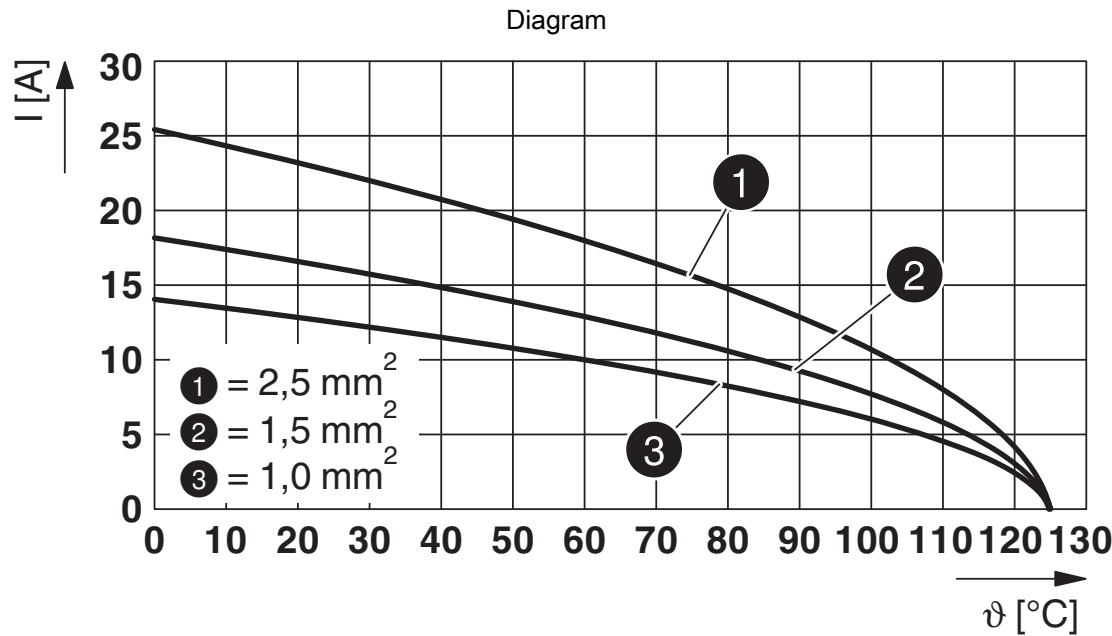
Schematic diagram



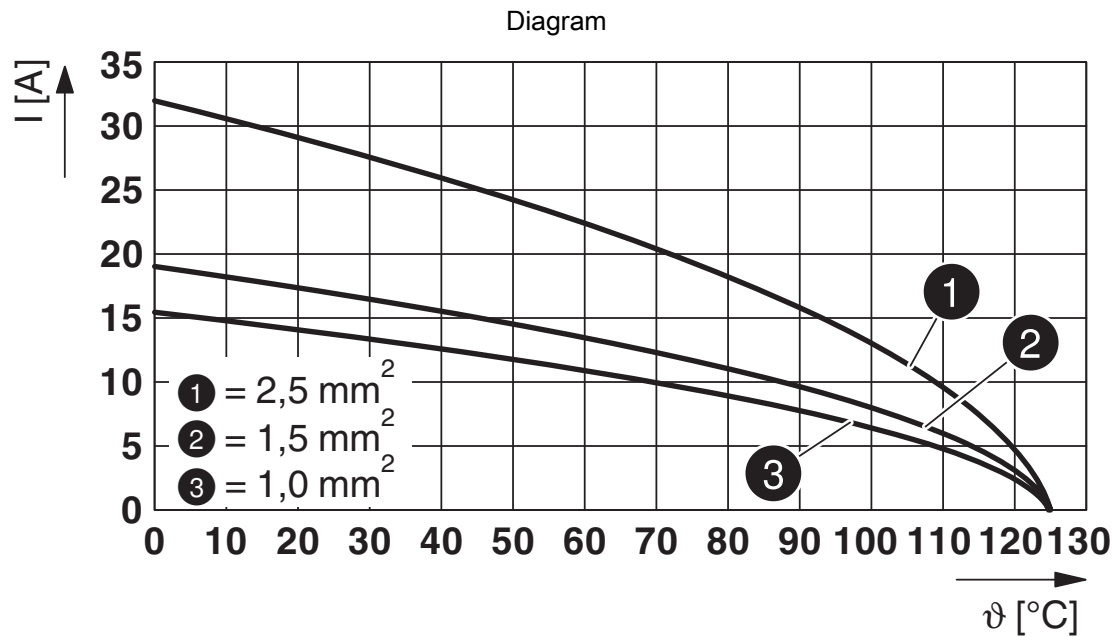
Connector pin assignment, connection side

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Derating diagram for flexible conductors



Derating diagram for flexible conductors with ferrule

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1424224>



EAC
Approval ID: RU C-DE.BL08.B.00511

	 UL Recognized Approval ID: E468743			
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	600 V	16 A	- 14	-

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Classifications

ECLASS

ECLASS-11.0	27440217
ECLASS-12.0	27440217
ECLASS-13.0	27440217

ETIM

ETIM 9.0	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
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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