HC-M-08-PT-M - Contact insert module

1424227

https://www.phoenixcontact.com/sk/products/1424227

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Contact insert module, number of positions: 8, power contacts: 8, control contacts: 0, Pin, Push-in connection, 400 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	1424227
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF7
Product key	BF7ACE
Catalog page	Page 577 (C-2-2019)
GTIN	4055626369587
Weight per piece (including packing)	22.7 g
Weight per piece (excluding packing)	20.66 g
Customs tariff number	85366990
Country of origin	CN

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 instructions	To ensure correct use, installation in housing with IP54 protection or better is required

Product properties

Product type	Modular contact insert
Number of positions	8
Connection profile	8
Contact numbering	1 - 8
Application	Power
Number of module slots	1
No. of power contacts	8
No. of control contacts	0
Contact material type	turned
Series	HC-M-08

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Connection data

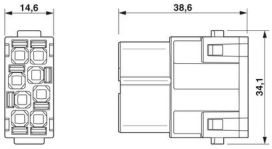
Connection technology

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

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/2) contacts	690 V
Rated voltage (III/3)	400 V
Rated surge voltage (III/2)	4 kV
Rated surge voltage (III/3)	6 kV
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

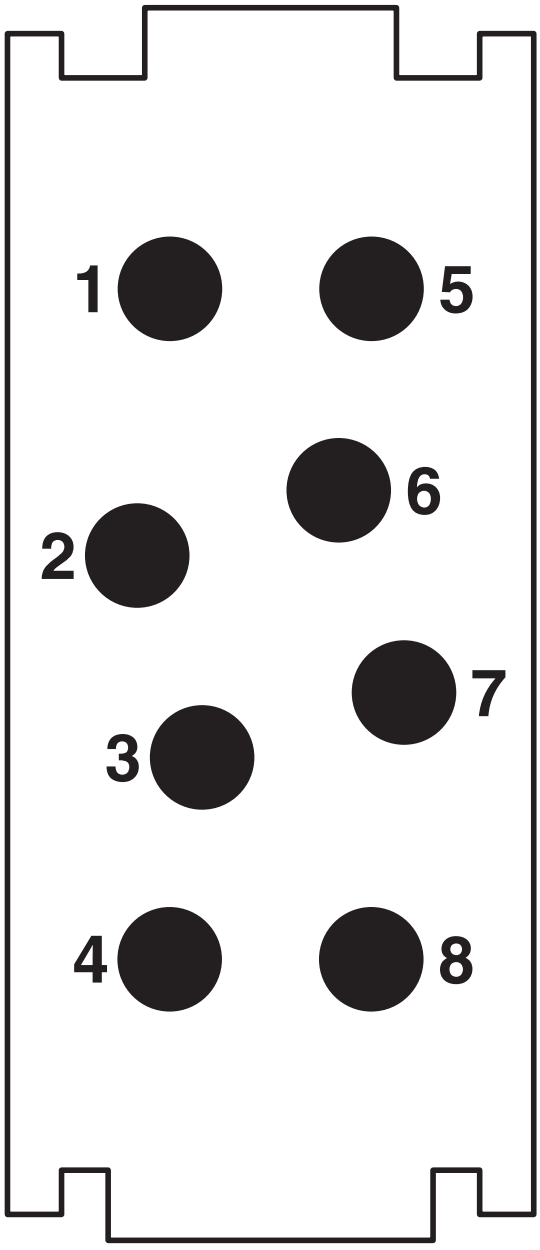
Environmental and real-life conditions

Ambient conditions

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

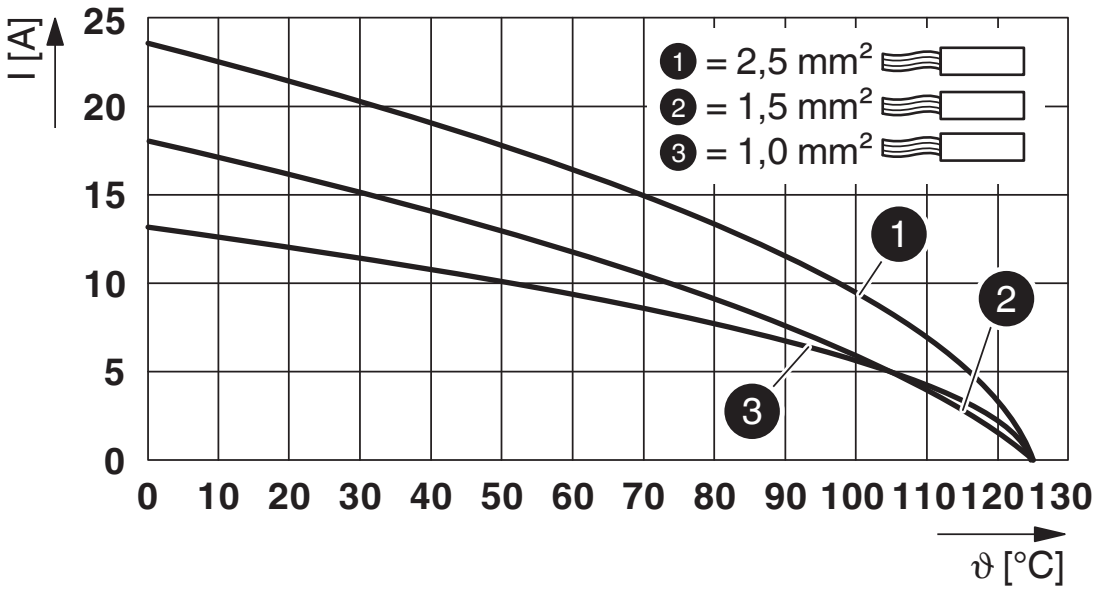
Drawings

Schematic diagram



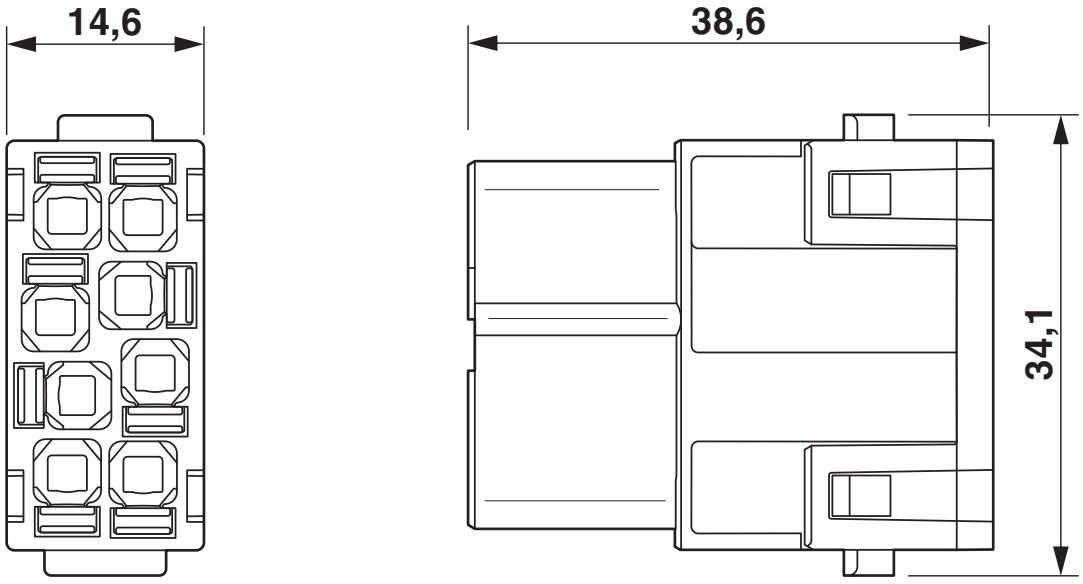
Connector pin assignment, connection side

Diagram



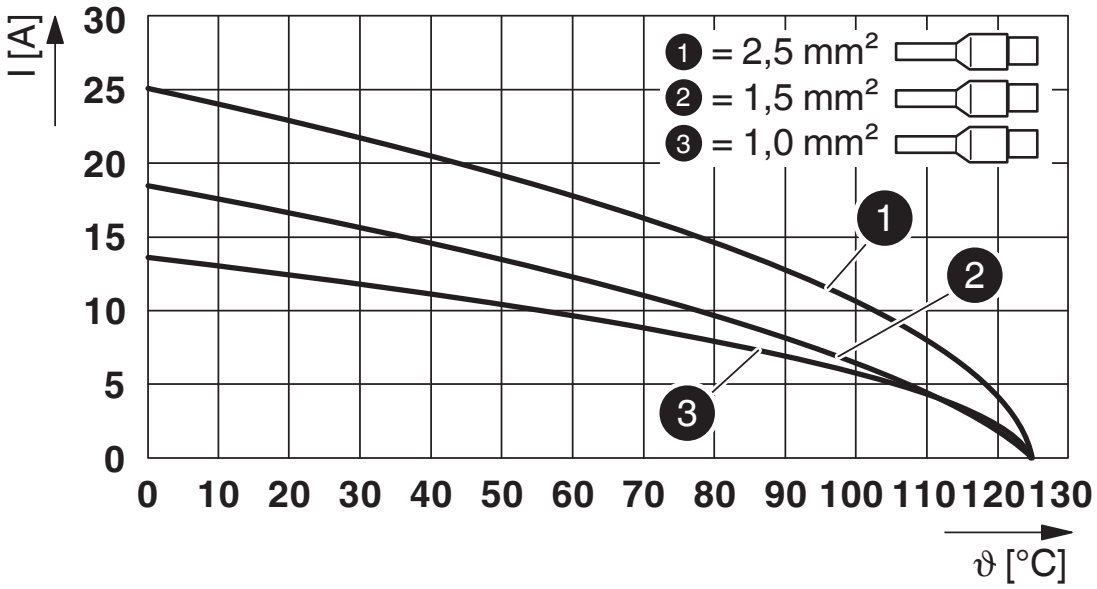
Derating diagram for flexible conductors

Dimensional drawing



Dimensional drawing

Diagram



Derating diagram for flexible conductors with ferrule

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/sk/products/1424227

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	-

Classifications

ECLASS

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

ETIM

ETIM 9.0	EC000438

UNSPSC

UNSPSC 21.0	39121400

Environmental product compliance

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

Accessories

HC-CBU-MOD - Coding element

1636130

https://www.phoenixcontact.com/sk/products/1636130



Coding socket for coding up to 16 connectors, for HC Modular

HC-CST-MOD - Coding element

1636127

https://www.phoenixcontact.com/sk/products/1636127



Coding peg for coding up to 16 connectors, for HC Modular

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

1182085

https://www.phoenixcontact.com/sk/products/1182085



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

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

1182088

https://www.phoenixcontact.com/sk/products/1182088



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

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

1182090

https://www.phoenixcontact.com/sk/products/1182090



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

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

1182094

https://www.phoenixcontact.com/sk/products/1182094



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

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

1182087

https://www.phoenixcontact.com/sk/products/1182087



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

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

1182089

https://www.phoenixcontact.com/sk/products/1182089



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

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

1182093

https://www.phoenixcontact.com/sk/products/1182093

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



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

1182095

https://www.phoenixcontact.com/sk/products/1182095

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



HC-M-08-PT-M - Contact insert module

1424227

https://www.phoenixcontact.com/sk/products/1424227

HC-M-08-PT-F - Contact insert module

1424226

https://www.phoenixcontact.com/sk/products/1424226



Contact insert module, number of positions: 8, power contacts: 8, control contacts: 0, Socket, Push-in connection, 400 V, 16 A, 0.5 mm^2 ... 2.5 mm^2, application: Power

CF CRIMPHANDY 0,5 - Electrical crimping tool

1212463

https://www.phoenixcontact.com/sk/products/1212463



Mobile handheld device, battery-powered, for processing on-tape ferrules 0.5 mm^2 with functional end, suitable for PVC insulated conductors (H05V-K), incl. battery, charger, CUTFOX 12 cable cutter, waste guide plate 2, service tool for error correction, and one strip of ferrules 0.5 mm^2, packed in a robust case.

HC-M-08-PT-M - Contact insert module

1424227

https://www.phoenixcontact.com/sk/products/1424227

CF CRIMPHANDY 0,75 - Electrical crimping tool

1212464

https://www.phoenixcontact.com/sk/products/1212464



Mobile handheld device, battery-powered, for processing on-tape ferrules 0.75 mm^2 with functional end, suitable for PVC insulated conductors (H05V-K), incl. battery, charger, CUTFOX 12 cable cutter, waste guide plate 2, service tool for error correction, and one strip of ferrules 0.75 mm^2, packed in a robust case.

CF CRIMPHANDY 1,0 - Electrical crimping tool

1212465

https://www.phoenixcontact.com/sk/products/1212465



Mobile handheld device, battery-powered, for processing on-tape ferrules 1.0 mm^2 with functional end, suitable for PVC insulated conductors (H05V-K), incl. battery, charger, CUTFOX 12 cable cutter, waste guide plate 2, service tool for error correction, and one strip of ferrules 1.0 mm^2, packed in a robust case.

HC-M-08-PT-M - Contact insert module

1424227

https://www.phoenixcontact.com/sk/products/1424227

CF CRIMPHANDY 1,5 - Electrical crimping tool

1212466

https://www.phoenixcontact.com/sk/products/1212466



Mobile handheld device, battery-powered, for processing on-tape ferrules 1.5 mm^2 with functional end, suitable for PVC insulated conductors (H07V-K), incl. battery, charger, CUTFOX 12 cable cutter, waste guide plate 2, service tool for error correction, and one strip of ferrules 1.5 mm^2, packed in a robust case.

Phoenix Contact 2024 © - all rights reserved
https://www.phoenixcontact.com

PHOENIX CONTACT s.r.o.
Námestie Mateja Korvína 1
811 07 Bratislava
+421 2 3210 1470
obchod.sk@phoenixcontact.com