

Contact insert module - HC-M-01-AT-F-40-PE - 1417380

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Contact insert module, Number of positions: PE, Socket, Axial screw connection, 200 A, 25 mm² ... 70 mm², Application: PE transmission



Key Commercial Data

Packing unit	1 STK
Minimum order quantity	2 STK
GTIN	 4 055626 112619
GTIN	4055626112619
Custom tariff number	85366990
Country of origin	Poland

Technical data

Dimensions

Height	54.3 mm
Width	34.2 mm
Length	29.4 mm

Electrical characteristics

Note	For HEAVYCON HC-B6 to B48 housing (housing height: min. 72 mm), HC-M-MHR... hinged retaining frame required, axial connection for 5 mm Allen key
Rated current	200 A
Connection profile	PE

Ambient conditions

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

Conductor cross section	25 mm ² ... 70 mm ² (The cross section specification refers to the geometric cross section of the cable used)
Connection cross section AWG	3 ... 00
Stripping length of the individual wire	16 mm
Tightening torque	8 Nm (25 mm ² ... 70 mm ²)
	9 Nm (70 mm ²)
Wire diameter including insulation	12 mm (25 mm ²)
	16 mm (40 mm ²)
Hexagonal socket	WAF 5
Insertion/withdrawal cycles	≥ 500
Minimum housing height	72 mm

General

Series	HC-M-HS
Color	light gray
Number of module slots	2
Connection method	Axial screw connection
Flammability rating according to UL 94	V0
Assembly instructions	<ul style="list-style-type: none"> - Use only flexible conductors, - Connection of wires with 5 mm an Allen wrench, - Housing height $h \geq 72$ mm, - Connectors may only be operated without load/voltage.
Connection	<p>Note on axial connection technology: Only for stranded wires. The specified conductor cross sections refer to the geometric cross section of the cable used. Use of cables with a geometric cross section that differs greatly from the nominal cross section of the cable should be checked before use. The wiring space for axial screw technology is designed for fine strand cables according to VDE 0295 Class 5. Deviating cable structures (e.g., Class 6 cables) should be checked before use.</p> <p>Assembly instructions Before assembly, ensure that the tapered screw is turned back all the way (chamber is open). The cables must not be twisted. The wires should be inserted as far as they will go into the contact chamber (until the insulation touches the contact). Hold the wires in position and use the socket wrench to tighten. The used wire end should be cut off before connecting again. The connection screw may only be retightened once to prevent the litz wires from breaking. To prevent damage to the contact, the wire/cable should be mechanically intercepted at an appropriate distance from the connection point (e.g., by using a plate cutout). DIN VDE 0100-520:2003-06 contains information on how to do this correctly. The module cannot be used simultaneously with HC-B..-TMB-SD-IP65 and HC-B..-TMS-SD-IP65 protective covers.</p> <p>PE mounting plate The PE plate must be pressed hard against the swing frame using the 4 screws. First loosen the 4 screws of the PE plate and then tighten them again once the module is fixed in the swing frame.</p>

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Technical data

Material data

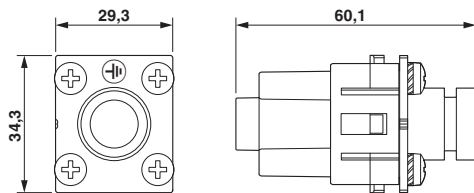
Contact material	Copper alloy
Contact surface material	Ag
Contact carrier material	PC

Standards and Regulations

Flammability rating according to UL 94	V0
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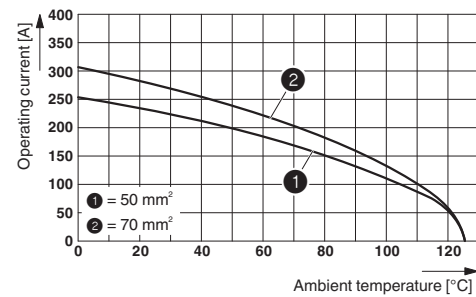
Drawings

Dimensional drawing



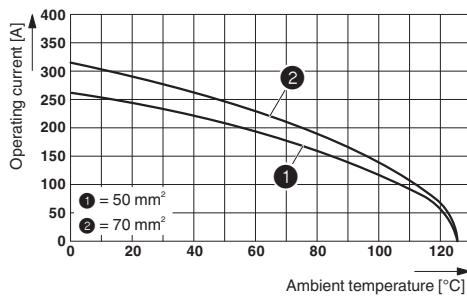
Female insert

Diagram



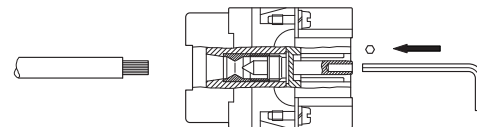
Three modules in B24 housing

Diagram



Two modules in B24 housing

Schematic diagram



Axial screw connection

Classifications

eCl@ss

eCl@ss 5.1	27143424
eCl@ss 6.0	27143424
eCl@ss 8.0	27440205

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Classifications

eCl@ss

eCl@ss 9.0	27440217
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ETIM

ETIM 5.0	EC000438
ETIM 6.0	EC000438

UNSPSC

UNSPSC 13.2	39121421
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Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

EAC		7500651.22.01.00246
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Accessories

Accessories

Module carrier frame

Module carrier frame - HC-M-B06-MF-B - 1417398



Module carrier frame, Size: B6, Type: for the panel mounting side (a, b, c, ...), 4 mm² ... 6 mm², Application: Module carrier frame

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Accessories

Module carrier frame - HC-M-B10-MF-B - 1417399



Module carrier frame, Size: B10, Type: for the panel mounting side (a, b, c, ...), 4 mm² ... 6 mm², Application: Module carrier frame

Module carrier frame - HC-M-B16-MF-B - 1417400



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-MF-B - 1417402



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-MF-H - 1417403



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-MF-H - 1417404



Module carrier frame, Size: B10, Type: for the sleeve side (A, B, C, ...), 4 mm² ... 6 mm², Application: Module carrier frame

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Accessories

Module carrier frame - HC-M-B16-MF-H - 1417405



Module carrier frame, Size: B16, Type: for the sleeve side (A, B, C, ...), 4 mm² ... 6 mm², Application: Module carrier frame

Module carrier frame - HC-M-B24-MF-H - 1417406



Module carrier frame, Size: B24, Type: for the sleeve side (A, B, C, ...), 4 mm² ... 6 mm², Application: Module carrier frame