PHŒNIX CONTACT

Contact insert module - HC-M-02-HS-70/22-MOD-BU - 1585731

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's documentation. Our General Terms of Use for Downloads are valid (http://phoenixcontact.com/download)

HEAVYCON contact insert module, socket, 2-pos. to 70 A, axial screw connection

RoHS

Key Commercial Data

Packing unit	1 pc
Minimum order quantity	100 pc
GTIN	4 046356 308236
GTIN	4046356308236
Weight per Piece (excluding packing)	31.500 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Height	46.5 mm
Width	34.2 mm
Length	14.6 mm

Electrical characteristics

Rated voltage (III/3)	1000 V
Rated current	70 A
Rated surge voltage	8 kV
Connection profile	2

Ambient conditions

PHŒNIX
CONTACT

Contact insert module - HC-M-02-HS-70/22-MOD-BU - 1585731

Technical data

Ambient conditions

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

Mechanical characteristics

Conductor cross section	14 mm² ... 22 mm²
Connection cross section AWG	6 ... 4
Stripping length of the individual wire	11 mm +1 (14 mm² ... 16 mm²)
	12.5 mm +1 (for 22 mm²)
Tightening torque	4 Nm (for 14 mm² ... 16 mm²)
	5 Nm (22 mm²)
Wire diameter including insulation	10 mm
Hexagonal socket	SW2,5
Insertion/withdrawal cycles	≥ 500
Minimum housing height	72 mm

General

Note	For HEAVYCON HC-B6 to B48 housing, HC-M-MHR... hinged retaining frame required, axial connection for 2.5 mm Allen key
Series	HC-M-02
Number of module slots	1
Connection method	Axial screw connection
Flammability rating according to UL 94	V0
Degree of pollution	3
Overvoltage category	III
Assembly instructions	Use 2.5 mm Allen wrenches for axial connection. Only for stranded wires. For housing heights h ≥ 52 mm. Plug-in connections may only be operated only when there is no load/voltage.
Connection	Note regarding axial connection technology: Only for stranded wires. The specified conductor cross sections refer to the geometric cross section of the cable used. Cables with a geometric cross section which deviates significantly from the nominal cable cross section must be checked before use. The axial connection technology connection space is designed for fine strand cables according to VDE 0295 Class 5. Deviating cable structures (e.g., Class 6 cables) must be checked before use. Assembly instructions Before assembly, ensure that the tapered screw is fully loosened (chamber is open). Cables must not be twisted. The wires must be pushed into the contact chamber as far as they will go (until the insulation touches the contact). Hold the wires in position and tighten using an Allen key. The used wire end must be cut off before reconnection. The terminal screw must only be retightened once to prevent the litz wires from breaking. To prevent damage to the contact, the wire/cable must be mechanically held at an appropriate distance from the connection point (e.g., when used in a plate cut out). For notes on correct execution, see DIN VDE 0100-520:2003-06. Unused connections must be tightened with maximum torque.

Contact insert module - HC-M-02-HS-70/22-MOD-BU - 1585731

Technical data

Material data

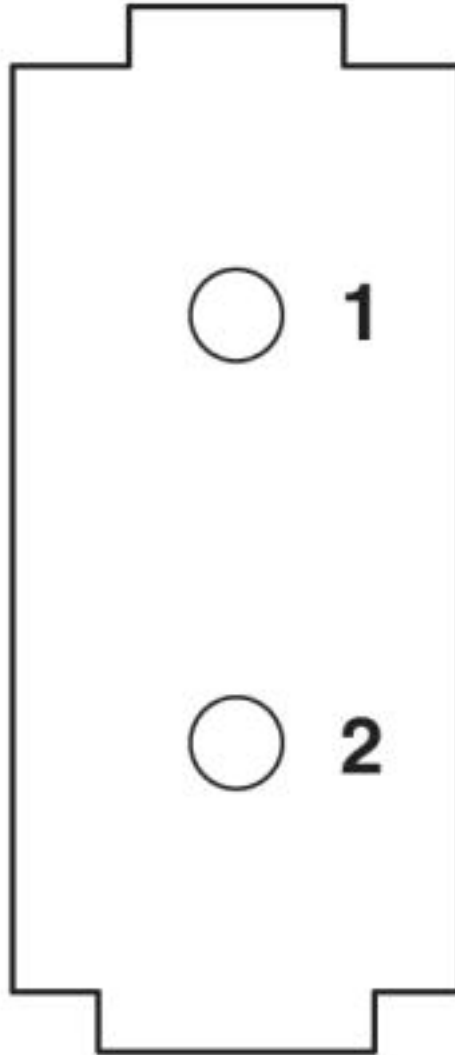| Contact material	Copper alloy
Contact surface material	Ag
Contact carrier material	PC

Standards and Regulations

Connection in acc. with standard	UL
Flammability rating according to UL 94	V0

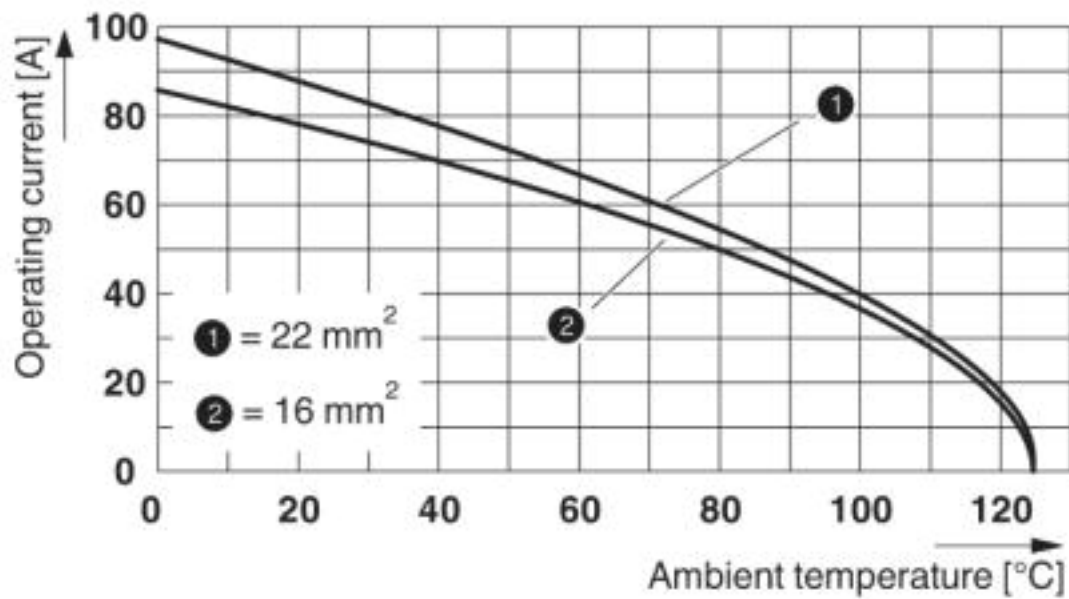## Drawings

Contact insert module - HC-M-02-HS-70/22-MOD-BU - 1585731

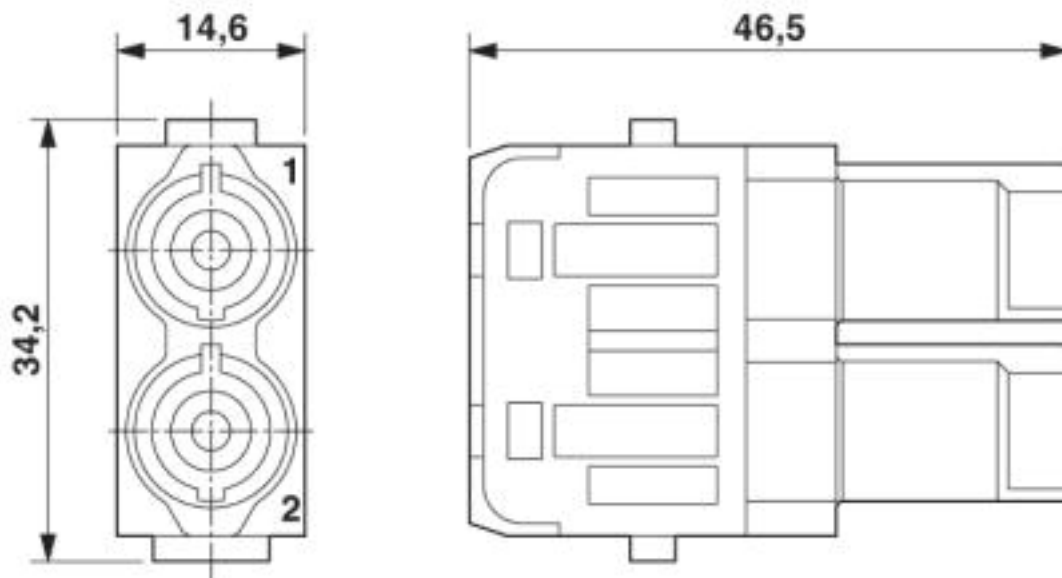Schematic diagram

Connector pin assignment, connection side

**PHŒNIX
CONTACT**

Contact insert module - HC-M-02-HS-70/22-MOD-BU - 1585731

Diagram

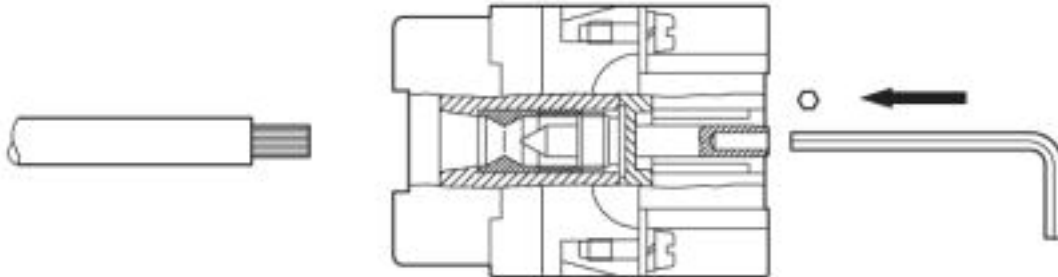Derating diagram (6 modules in HC-B 24 housing)

Dimensional drawing

Socket module

Contact insert module - HC-M-02-HS-70/22-MOD-BU - 1585731

Schematic diagram

Axial screw connection

Classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27143424
eCl@ss 5.1	27261200
eCl@ss 6.0	27261200
eCl@ss 7.0	27440205
eCl@ss 8.0	27440205
eCl@ss 9.0	27440217

ETIM

ETIM 3.0	EC000438
ETIM 4.0	EC000438
ETIM 5.0	EC000438
ETIM 6.0	EC000438

UNSPSC

UNSPSC 6.01	43172601
UNSPSC 7.0901	39121416
UNSPSC 11	43172601
UNSPSC 12.01	39121408
UNSPSC 13.2	39121522
UNSPSC 19.0	39121522