

## Contact insert module - HC-M-02-AT-M-35 - 1417392


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>)



Contact insert module, Number of positions: 2, Type of contact: Pin, Connection technology: Axial screw connection, Rated voltage: 1000 V, Rated current: 100 A, Connection cross section: 10 mm² ... 35 mm², Application: Power

RoHS

### Key Commercial Data

Packing unit	2 STK
Minimum order quantity	2 STK
GTIN	 4 055626 112718
GTIN	4055626112718

### Technical data

#### Dimensions

Height	49 mm
Width	34.2 mm
Length	29.4 mm

#### Electrical characteristics

Note	For HEAVYCON HC-B6 to B48 housing, snap-in module frame required, axial connection for 4 mm Allen key
Rated voltage (III/3)	1000 V
Rated current	100 A
Rated surge voltage	8 kV
Connection profile	2

#### Ambient conditions

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

#### Mechanical characteristics

Conductor cross section	10 mm² ... 35 mm² (The cross section specification refers to the geometric cross section of the cable used)
Connection cross section AWG	4 ... 2

# Contact insert module - HC-M-02-AT-M-35 - 1417392

## Technical data

### Mechanical characteristics

Stripping length of the individual wire	13 mm
Tightening torque	6 Nm (10 mm² ... 16 mm²)
	7 Nm (25 mm²)
	8 Nm (35 mm²)
Wire diameter including insulation	11.4 mm
Hexagonal socket	SW 4
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
Degree of pollution	3
Overvoltage category	III
Assembly instructions	<ul style="list-style-type: none"> <li>- Use HC housing h ≥ 72 mm</li> <li>- Connection of wires using a 4 mm Allen wrench</li> <li>- Axial screw connection only for stranded wires</li> <li>- Plug-in connections may only be operated only when there is no load/voltage</li> </ul>
Connection	<p>Note for axial connection method</p> <p>The specified conductor cross sections refer to the geometric cross section of the used conductor.</p> <p>The use of conductors with a geometric cross section that deviates greatly from the nominal cross section of the conductor should be checked first.</p> <p>The wiring space of the axial screw technology has been designed for fine strand conductors as per VDE 0295 class 5. Deviating conductor superstructures (e.g. class 6 conductors) must be checked before use.</p> <p>Connection</p> <p>It must be ensured before installation that the ball screw is completely turned back (chamber is open). Twisting the conductors is not allowed. The cores must be pushed up to the end of the contact chamber (until the contact is insulated). Keep the core in this position and tighten it using an Allen key. The required core end must be cut before a reconnection. Tightening the connection screw is allowed only once in order to prevent a breakage of the litz wire.</p>

### Material data

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

### Standards and Regulations

Flammability rating according to UL 94	V0
--	----

## Contact insert module - HC-M-02-AT-M-35 - 1417392

### Approvals

#### Approvals


#### Approvals


EAC / CSA / UL Recognized

#### Ex Approvals

#### Approval details

EAC		7500651.22.01.00246
-----	---	---------------------

CSA		<a href="http://www.csagroup.org/services/testing-and-certification/certified-product-listing/">http://www.csagroup.org/services/testing-and-certification/certified-product-listing/</a>	13631
		mm <sup>2</sup> /AWG/kcmil	2
		Nominal current I <sub>N</sub>	100 A
		Nominal voltage U <sub>N</sub>	600 V

UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	E118976
		mm <sup>2</sup> /AWG/kcmil	2
		Nominal current I <sub>N</sub>	127 A
		Nominal voltage U <sub>N</sub>	600 V

Phoenix Contact 2017 © - all rights reserved  
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>