

# HC-A10-I-CT-M - Contact insert

1585414

<https://www.phoenixcontact.com/us/products/1585414>



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, number of positions: 10+PE, size: D15, number of connections per position: 1, Pin, Crimp connection, 250 V, 16 A, 0.5 mm<sup>2</sup> ... 4 mm<sup>2</sup>

## Your advantages

- Shock and vibration-resistant in accordance with DIN EN 61373

## Commercial data

Item number	1585414
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF61
Product key	AF7ABB
GTIN	4046356285148
Weight per piece (including packing)	27.6 g
Weight per piece (excluding packing)	27.6 g
Customs tariff number	85366990
Country of origin	CN

# HC-A10-I-CT-M - Contact insert



1585414

<https://www.phoenixcontact.com/us/products/1585414>

## Technical data

### Notes

General	for HC-D15 housing, CK2,5-ED crimp contacts (crimp contacts not supplied as standard)
General	Connectors may be operated only when there is no load/voltage.

### Mounting

Assembly note	To ensure correct use, installation in housing with IP54 protection or better is required for plastic coding profiles: 4 pcs.
---------------	--


### Product properties

Product type	Contact insert with a fixed no. of positions
Series	HC-A
Type	D15
Number of positions	10
Connection profile	10+PE
Contact numbering	1 - 10
Number of connections per position	1
Contact material type	turned

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Dimensions

Dimensional drawing	
Width	23 mm
Height	33 mm
Length	55.5 mm
Drill hole distance, horizontal	49.5 mm
Drill hole distance, vertical	16 mm

### Mechanical characteristics

Contact diameter	2.5 mm
------------------	--------

### Connection data

#### Connection technology

Connection technology	Crimp connection
Number of connections per position	1

# HC-A10-I-CT-M - Contact insert

1585414

<https://www.phoenixcontact.com/us/products/1585414>



Connection in acc. with standard	IEC / EN
----------------------------------	----------

## Conductor connection

Conductor cross section	0.5 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Connection cross section AWG	20 ... 12
Tightening torque	0.7 Nm ... 1 Nm (PE connection) 0.5 Nm ... 0.8 Nm (Mounting screws for mounting in the HEAVYCON housing)
Stripping length of the individual wire	8 mm

## Electrical properties

Rated voltage (III/3)	250 V
Rated surge voltage	4 kV
Rated current	16 A

## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	≥ 500
-----------------------------	-------

## Material specifications

Contact material	Copper alloy
Contact surface material	Ag (alternatively Au)
Contact carrier material	PC
Standards/regulations	PC

## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C (including heating up of contacts)
---------------------------------	--

## Standards and regulations

### Testing

Standards/regulations	PC: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)
-----------------------	---

# HC-A10-I-CT-M - Contact insert

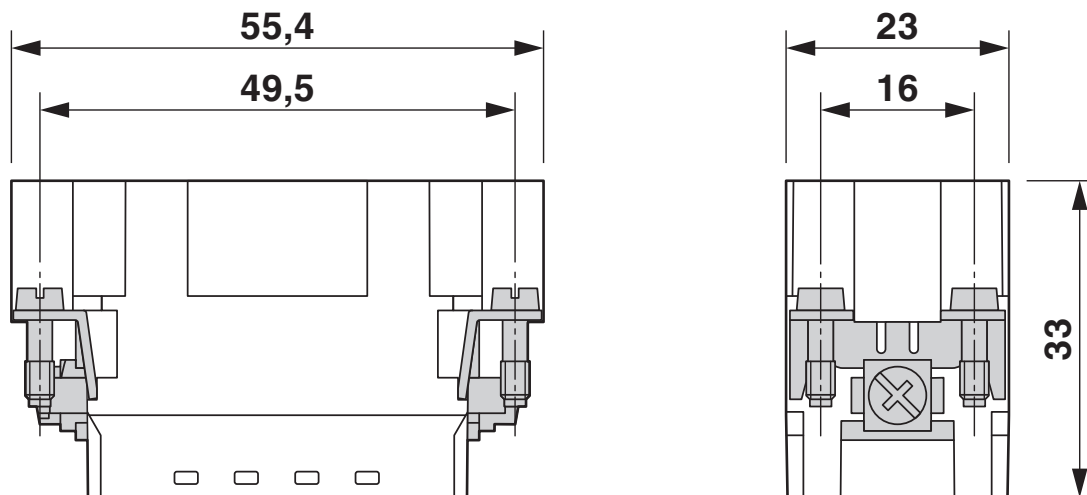
1585414

<https://www.phoenixcontact.com/us/products/1585414>



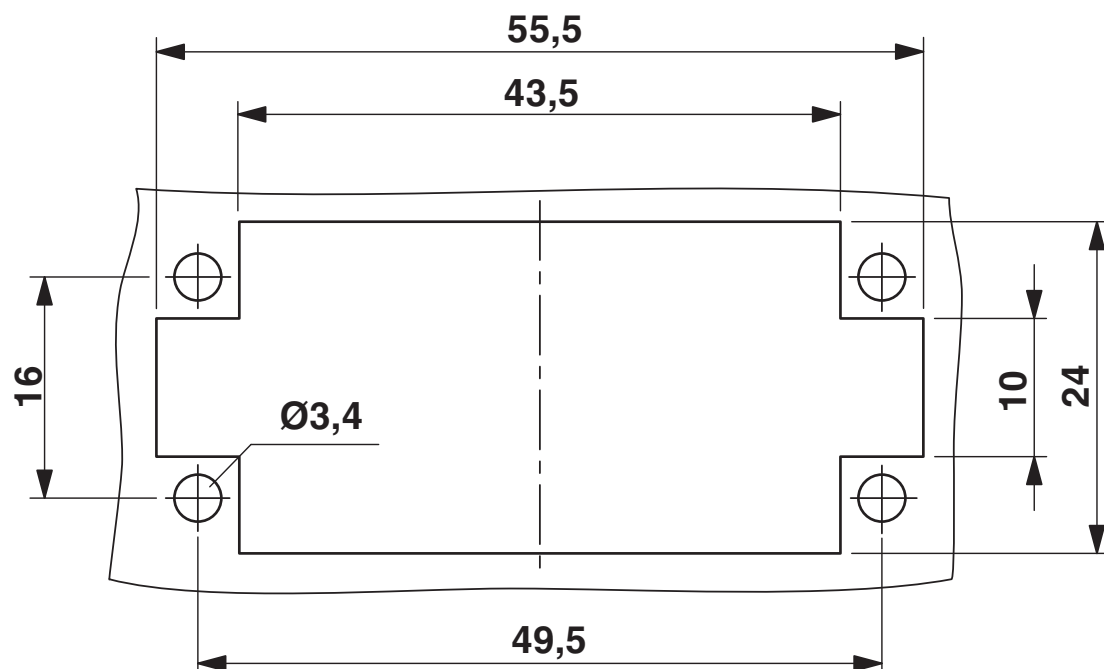
## Drawings

Dimensional drawing



Male insert

Dimensional drawing



Mounting cutout

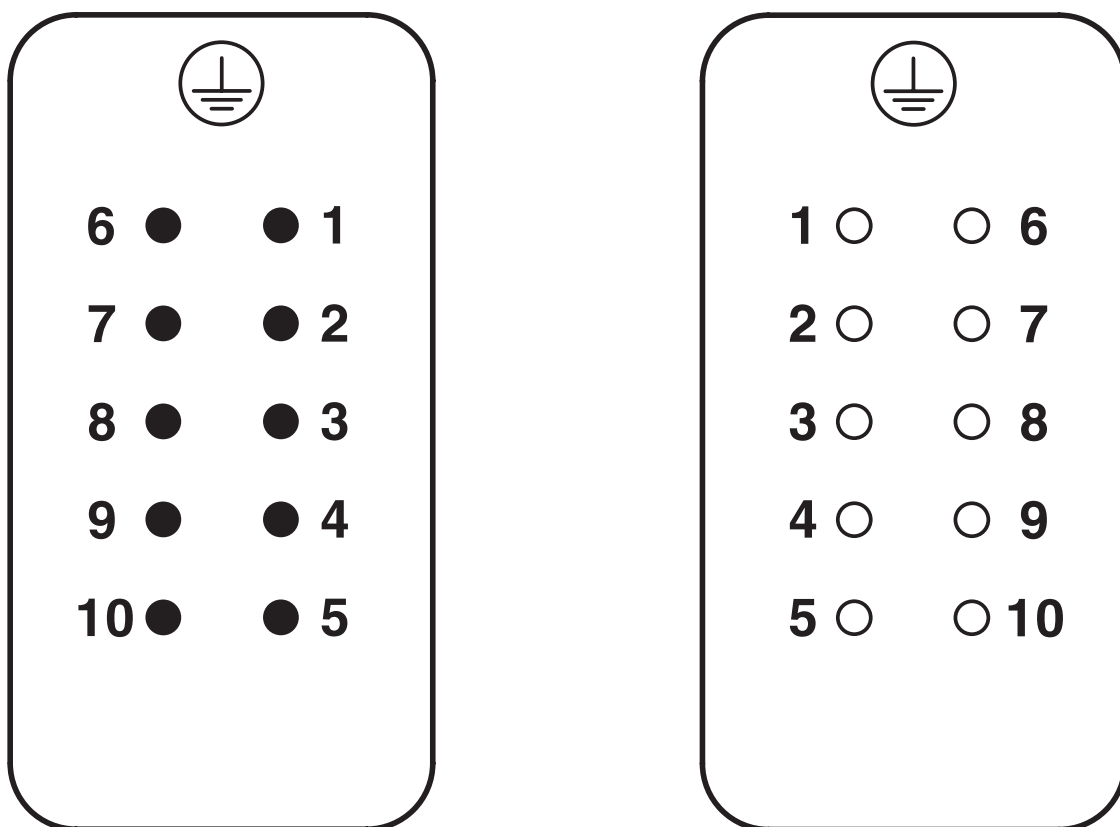
# HC-A10-I-CT-M - Contact insert

1585414

<https://www.phoenixcontact.com/us/products/1585414>

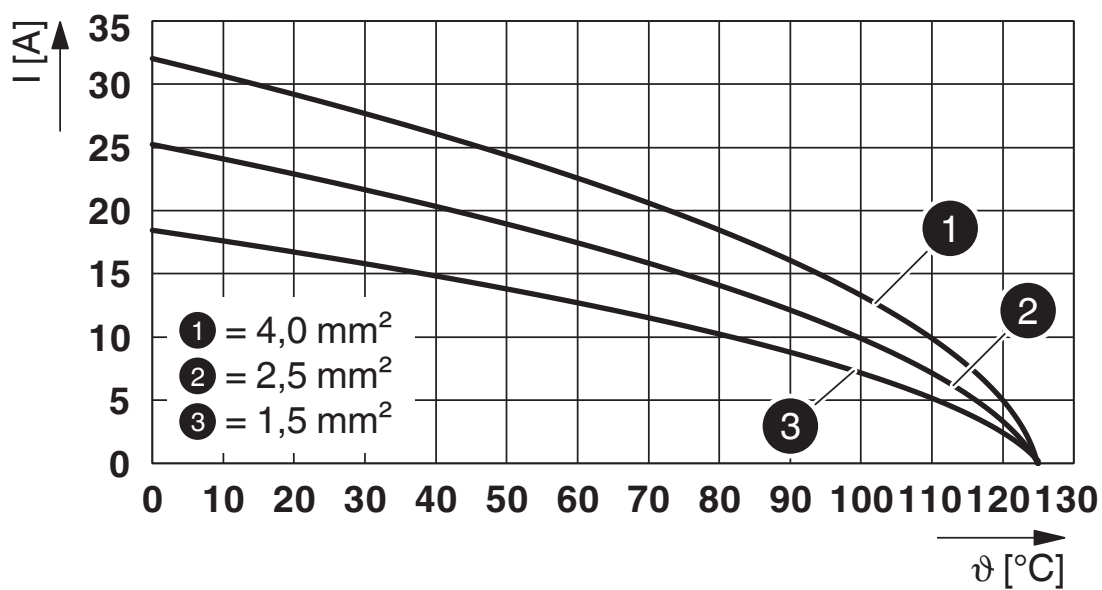


Schematic diagram



Connector pin assignment, connection side

Diagram



Derating diagram

# HC-A10-I-CT-M - Contact insert



1585414

<https://www.phoenixcontact.com/us/products/1585414>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1585414>

### DNV

Approval ID: TAE000037S



### CSA

Approval ID: 013631\_6233\_01

	Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
keine				
	250 V	16 A	- 12	-



### cULus Recognized

Approval ID: E468743

	Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
keine				
	250 V	16 A	- 12	-

# HC-A10-I-CT-M - Contact insert



1585414

<https://www.phoenixcontact.com/us/products/1585414>

## Classifications

### ECLASS

ECLASS-13.0	27440205
ECLASS-15.0	27440205

### ETIM

ETIM 9.0	EC000438
----------	----------

### UNSPSC

UNSPSC 21.0	39121500
-------------	----------

# HC-A10-I-CT-M - Contact insert



1585414

<https://www.phoenixcontact.com/us/products/1585414>

## 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%

Phoenix Contact 2025 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)