

HC-A16-I-CT-F-32 - Contact insert

1585469

<https://www.phoenixcontact.com/us/products/1585469>



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: 16+PE, size: D25, number of connections per position: 1, Socket, Crimp connection, 250 V, 16 A, 0.5 mm² ... 4 mm²



Your advantages

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

Commercial data

Item number	1585469
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF61
Product key	AF7ABB
GTIN	4046356285193
Weight per piece (including packing)	34.5 g
Weight per piece (excluding packing)	22.22 g
Customs tariff number	85369010
Country of origin	CN

HC-A16-I-CT-F-32 - Contact insert

1585469

<https://www.phoenixcontact.com/us/products/1585469>



Technical data

Notes

General	for HC-D25 / HC-D50 housing, crimp contact CK2,5-ED (crimp contacts not included in scope of supply)
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.
---------------	--

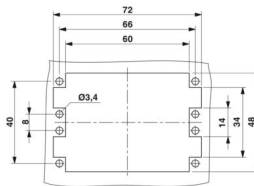
Product properties

Product type	Contact insert with a fixed no. of positions
Series	HC-A
Type	D25 D50
Number of positions	16
Connection profile	16+PE
Contact numbering	17 - 32
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	72 mm
Drill hole distance, horizontal	66 mm
Drill hole distance, vertical	16 mm

Mechanical characteristics

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

Connection data

HC-A16-I-CT-F-32 - Contact insert

1585469

<https://www.phoenixcontact.com/us/products/1585469>



Connection technology

Connection technology	Crimp connection
Number of connections per position	1
Connection in acc. with standard	IEC / EN

Conductor connection

Conductor cross section	0.5 mm ² ... 4 mm ² (applies to stranded conductors)
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-A16-I-CT-F-32 - Contact insert

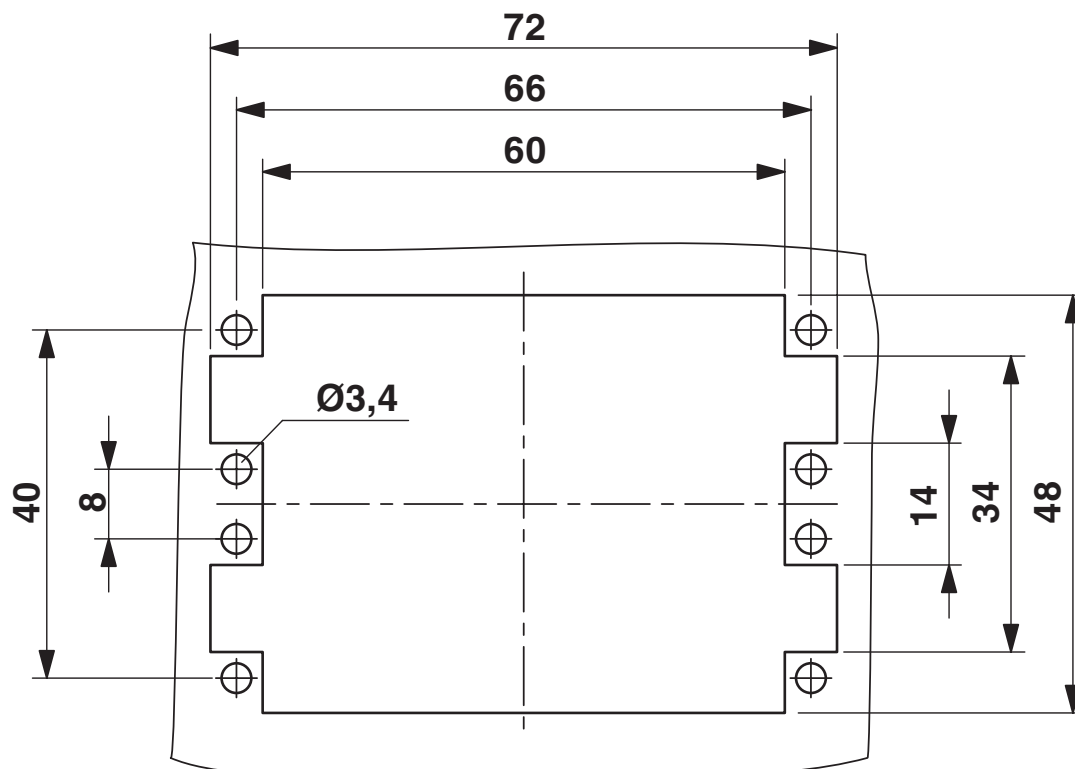
1585469

<https://www.phoenixcontact.com/us/products/1585469>



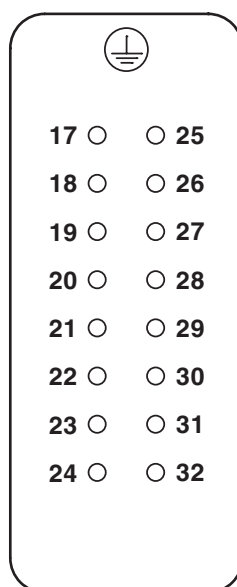
Drawings

Dimensional drawing



Mounting cutout

Schematic diagram

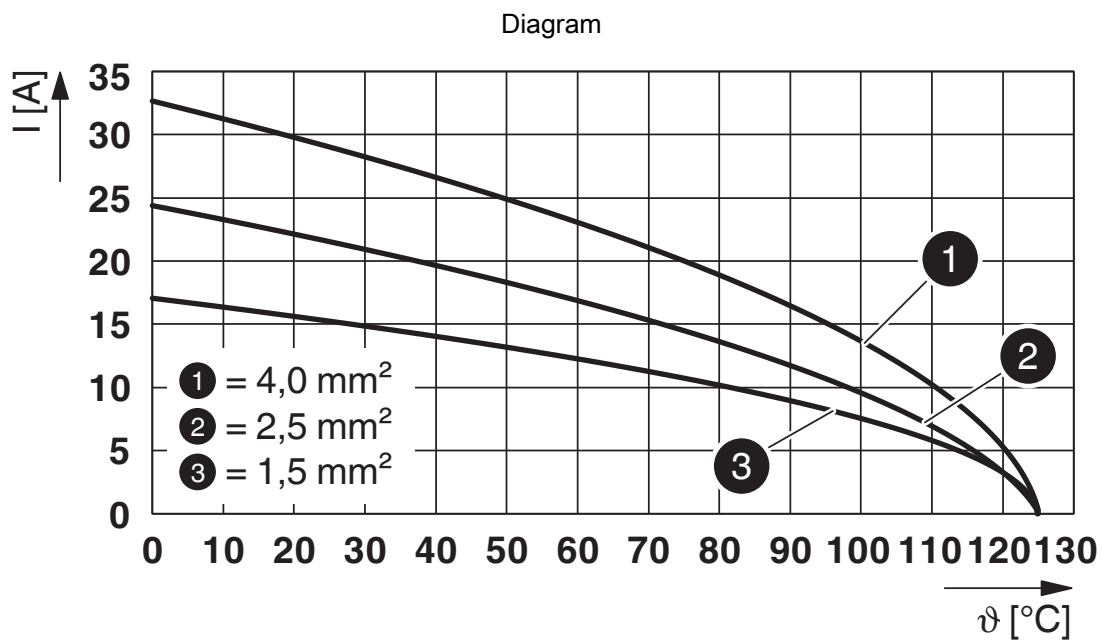


Connector pin assignment, connection side

HC-A16-I-CT-F-32 - Contact insert

1585469

<https://www.phoenixcontact.com/us/products/1585469>



Derating diagram

HC-A16-I-CT-F-32 - Contact insert



1585469

<https://www.phoenixcontact.com/us/products/1585469>

Classifications

ECLASS

ECLASS-13.0	27440205
ECLASS-15.0	27440205

ETIM

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

UNSPSC

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

HC-A16-I-CT-F-32 - Contact insert



1585469

<https://www.phoenixcontact.com/us/products/1585469>

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