

HC-A16-I-UT-F - Contact insert



1585320

<https://www.phoenixcontact.com/us/products/1585320>

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, Screw connection, 250 V, 16 A, 0.5 mm² ... 2.5 mm²

Your advantages

- Can be coded with plastic coding profile (order number 1410916)
- For a test pin 2 mm in diameter
- Shock and vibration-resistant in accordance with DIN EN 61373

Commercial data

Item number	1585320
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF61
Product key	AF7ABB
GTIN	4046356285056
Weight per piece (including packing)	65.26 g
Weight per piece (excluding packing)	64.016 g
Customs tariff number	85366990
Country of origin	CN

HC-A16-I-UT-F - Contact insert



1585320

<https://www.phoenixcontact.com/us/products/1585320>

Technical data

Notes

General	for flexible conductors with or without ferrules
General	Connectors may be operated only when there is no load/voltage.
General	for HC-D25 / HC-D 50 housing

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
Number of positions	16
Connection profile	16+PE
Contact numbering	1 - 16
Number of connections per position	1
Contact material type	turned
Screwdriver blade	0.5 x 3.5 mm

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

Connection technology

HC-A16-I-UT-F - Contact insert



1585320

<https://www.phoenixcontact.com/us/products/1585320>

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

Conductor connection

Conductor cross section	0.5 mm ² ... 2.5 mm ²
Connection cross section AWG	20 ... 14
Tightening torque	0.7 Nm ... 1 Nm (PE connection) 0.5 Nm ... 0.8 Nm (Mounting screws for mounting in the HEAVYCON housing)
	0.5 Nm
Stripping length of the individual wire	7 mm

Electrical properties

Rated voltage (III/3)	250 V
Rated surge voltage	4 kV
	4 kV
Rated current	16 A
SCCR	5 kA (UL 2237)

Mechanical properties

Mechanical data	
Insertion/withdrawal cycles	≥ 500

Material specifications

Flammability rating according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Ag
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-UT-F - Contact insert

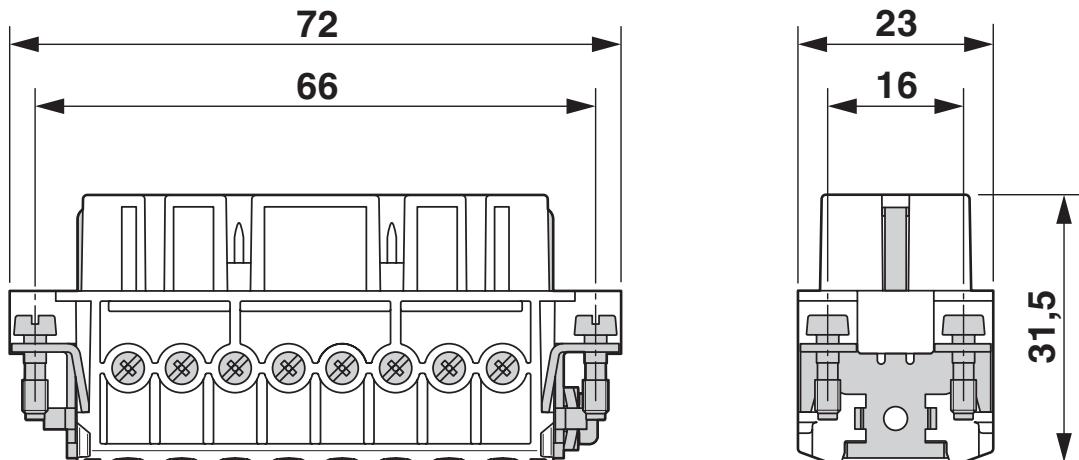


1585320

<https://www.phoenixcontact.com/us/products/1585320>

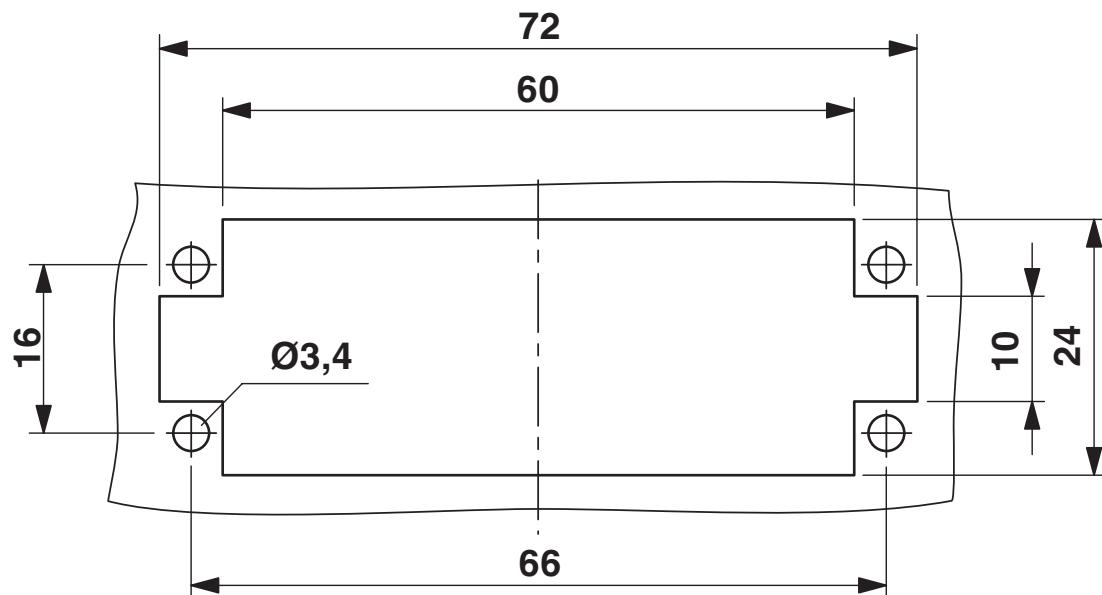
Drawings

Dimensional drawing



Female insert

Dimensional drawing



Mounting cutout when used without housing

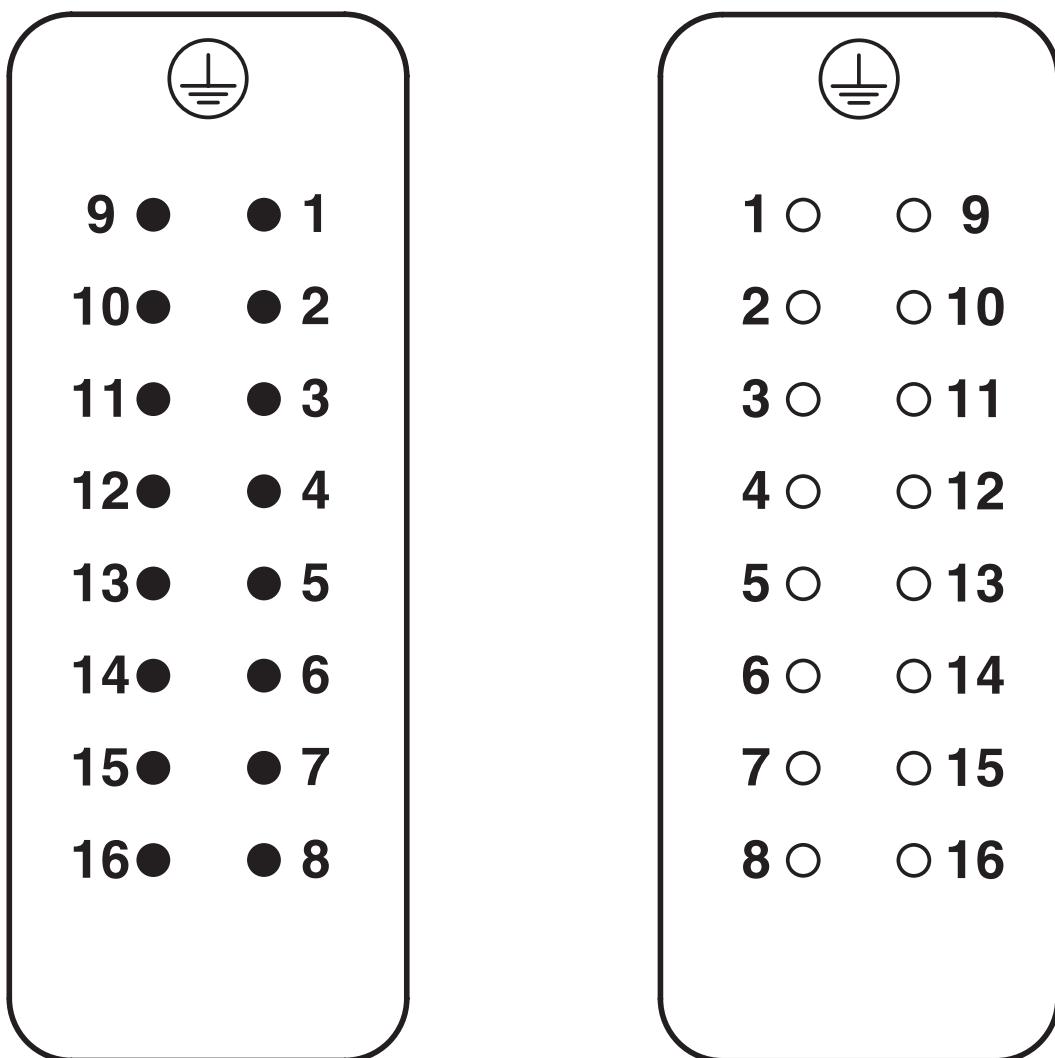
HC-A16-I-UT-F - Contact insert

1585320

<https://www.phoenixcontact.com/us/products/1585320>



Schematic diagram



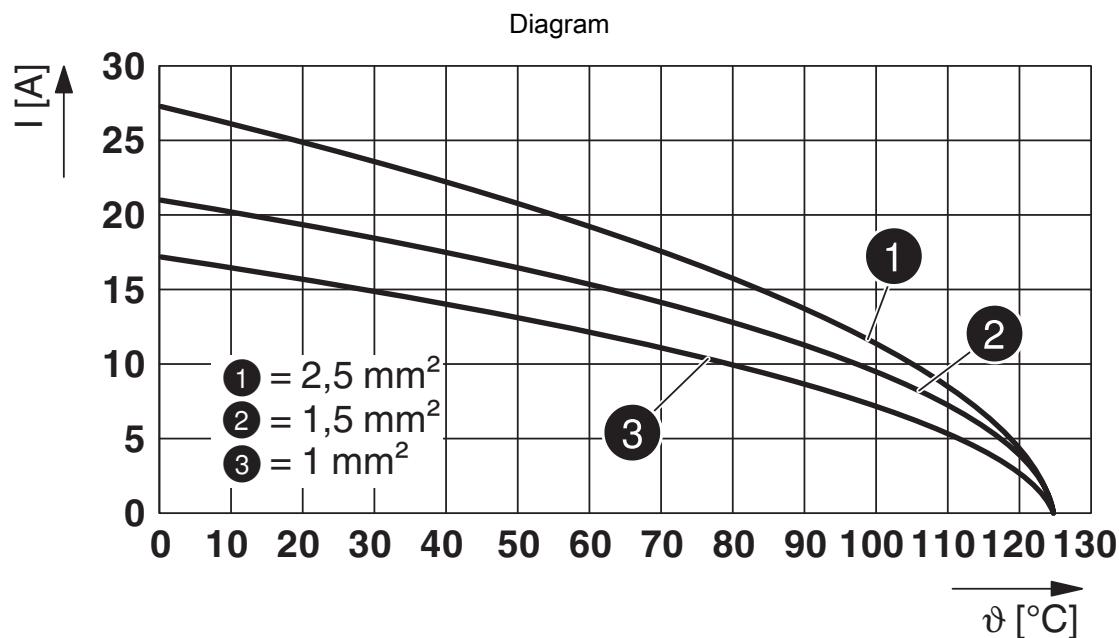
Connector pin assignment, connection side

HC-A16-I-UT-F - Contact insert



1585320

<https://www.phoenixcontact.com/us/products/1585320>



Derating diagram

HC-A16-I-UT-F - Contact insert



1585320

<https://www.phoenixcontact.com/us/products/1585320>

Approvals

ⓘ To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1585320>

DNV

Approval ID: TAE000037S

 CSA Approval ID: 13631	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine	600 V	15 A	- 14	-

 UL Recognized Approval ID: E118976	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine	600 V	19 A	-	-

 UL Recognized Approval ID: E468743	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine	600 V	18 A	-	-

HC-A16-I-UT-F - Contact insert

1585320

<https://www.phoenixcontact.com/us/products/1585320>



Classifications

ECLASS

ECLASS-13.0	27440205
ECLASS-15.0	27440205

ETIM

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

UNSPSC

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

HC-A16-I-UT-F - Contact insert

1585320

<https://www.phoenixcontact.com/us/products/1585320>



Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

China RoHS

Environment friendly use period (EFUP)	EFUP-50
An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.	

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	17cbe888-9859-4b8e-bdac-fe14a4e54058

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