

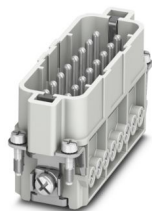
HC-A16-I-UT-M 17-32 - Contact insert



1585333

<https://www.phoenixcontact.com/us/products/1585333>

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, Pin, 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	1585333
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF61
Product key	BF7ABB
Catalog page	Page 521 (C-2-2019)
GTIN	4046356285063
Weight per piece (including packing)	61.1 g
Weight per piece (excluding packing)	61.1 g
Customs tariff number	85366990
Country of origin	CN

HC-A16-I-UT-M 17-32 - Contact insert



1585333

<https://www.phoenixcontact.com/us/products/1585333>

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
	D50
Number of positions	16
Connection profile	16+PE
Contact numbering	17 - 32
Contact material type	turned
Screwdriver blade	0.5 x 3.5 mm

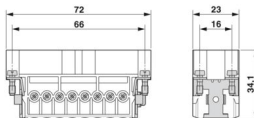
Data management status

Article revision	06
------------------	----

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Dimensions

Dimensional drawing	
Width	23 mm
Height	34.1 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-UT-M 17-32 - Contact insert



1585333

<https://www.phoenixcontact.com/us/products/1585333>

Connection technology

Connection technology	Screw connection
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: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)

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)
-----------------------	---

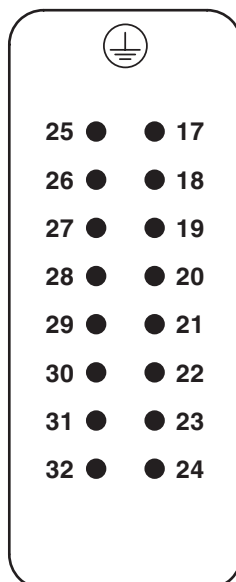
HC-A16-I-UT-M 17-32 - Contact insert

1585333

<https://www.phoenixcontact.com/us/products/1585333>

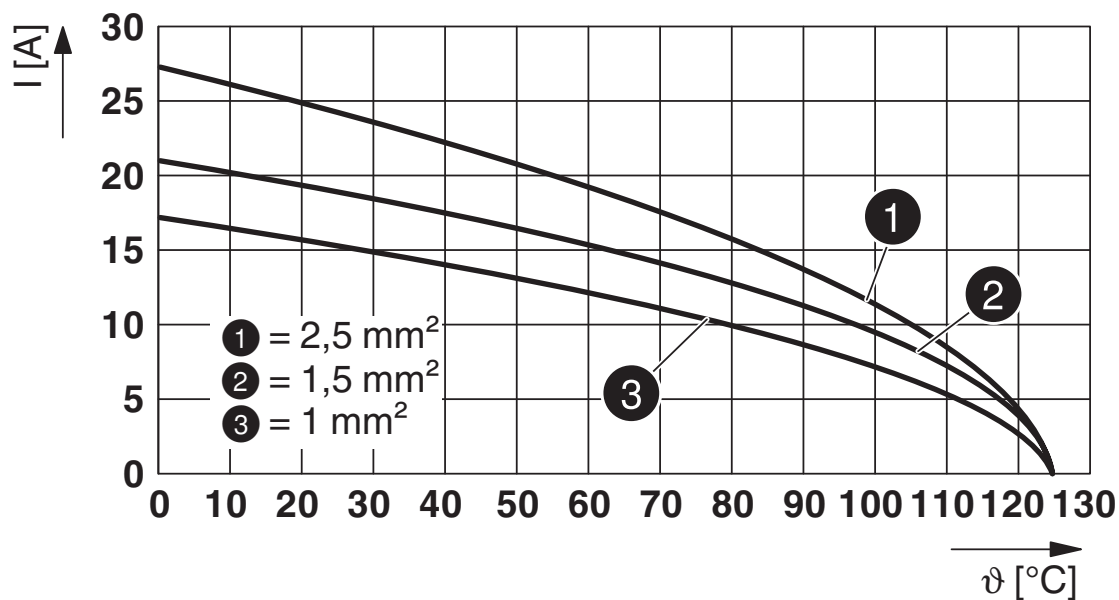
Drawings

Schematic diagram



Connector pin assignment, connection side

Diagram



Derating diagram

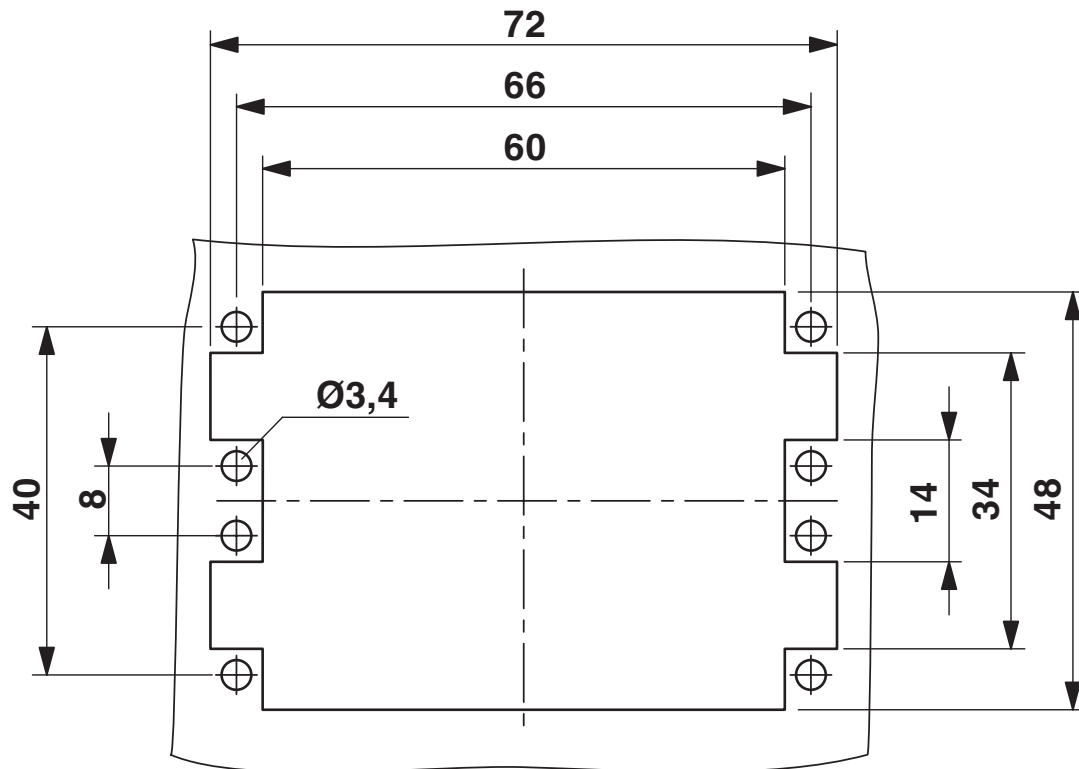
HC-A16-I-UT-M 17-32 - Contact insert

1585333

<https://www.phoenixcontact.com/us/products/1585333>

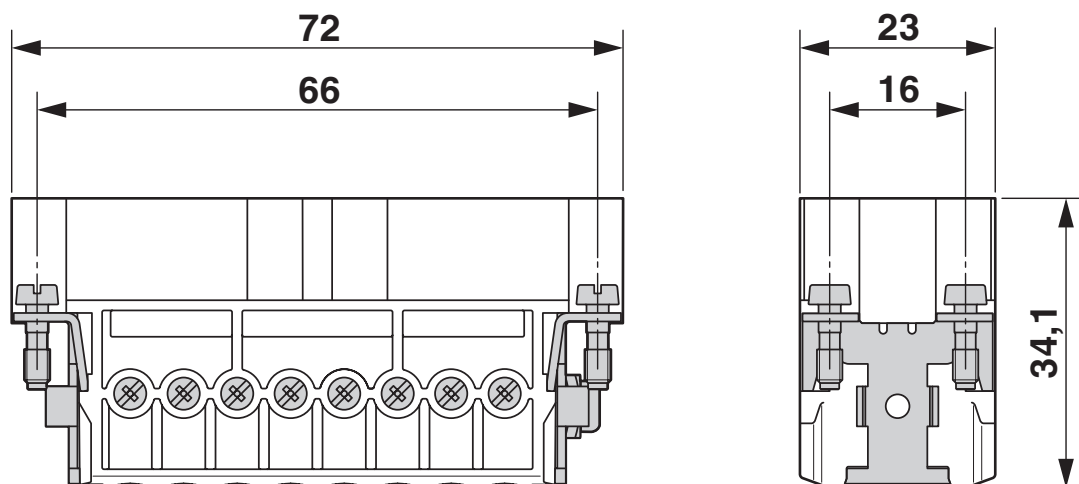


Dimensional drawing



Mounting cutout when used without housing

Dimensional drawing



Male insert

HC-A16-I-UT-M 17-32 - Contact insert



1585333

<https://www.phoenixcontact.com/us/products/1585333>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1585333>

DNV

Approval ID: TAE000037S



CSA

Approval ID: 13631

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	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
	600 V	19 A	-	-



EAC

Approval ID: RU C-DE.BL08.B.00511



UL Recognized

Approval ID: E468743

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	600 V	18 A	-	-

HC-A16-I-UT-M 17-32 - Contact insert



1585333

<https://www.phoenixcontact.com/us/products/1585333>

Classifications

ECLASS

ECLASS-11.0	27440205
ECLASS-12.0	27440205
ECLASS-13.0	27440205

ETIM

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

UNSPSC

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

1585333

<https://www.phoenixcontact.com/us/products/1585333>

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	5b79fcbe-6792-42dd-ab4e-b755de9356fd

HC-A16-I-UT-M 17-32 - Contact insert

1585333

<https://www.phoenixcontact.com/us/products/1585333>



Accessories

CP-HC-S - Coding profile

1410916

<https://www.phoenixcontact.com/us/products/1410916>

Coding profile, for contact inserts HC-BB... / HC-A10... / HC-A16...



HC-CB - Coding bolt

1772722

<https://www.phoenixcontact.com/us/products/1772722>

Coding pin, prevents mismating of up to six connectors with an identical number of positions



HC-A16-I-UT-M 17-32 - Contact insert

1585333

<https://www.phoenixcontact.com/us/products/1585333>



HC-CST - Coding element

1676857

<https://www.phoenixcontact.com/us/products/1676857>



Coding peg for coding up to 16 connectors

HC-CBU - Coding element

1676860

<https://www.phoenixcontact.com/us/products/1676860>



Coding socket for coding up to 16 connectors

HC-A16-I-UT-M 17-32 - Contact insert

1585333

<https://www.phoenixcontact.com/us/products/1585333>



HC-A-PES - Screw

1584868

<https://www.phoenixcontact.com/us/products/1584868>

PE screw for contact inserts of A series



HC-A16-I-UT-F 17-32 - Contact insert

1585346

<https://www.phoenixcontact.com/us/products/1585346>

Contact insert, number of positions: 16+PE, size: D25, Socket, Screw connection, 250 V, 16 A, 0.5 mm² ... 2.5 mm²



HC-A16-I-UT-M 17-32 - Contact insert

1585333

<https://www.phoenixcontact.com/us/products/1585333>



HC-A-PE-PT - Adapter

1054712

<https://www.phoenixcontact.com/us/products/1054712>



PE adapter with PT connection, for 1 PE connection, for HC-A10 / HC-A16 / HC-D15 / HC-D25 series contact inserts

Phoenix Contact 2024 © - 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