

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

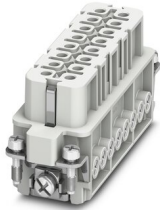
1585320

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



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HEAVYCON female insert, A16 series, 16-pos., screw connection



Your advantages

- can be coded with plastic coding profile (order number 1410916)
- For a test pin 2 mm in diameter

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



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Commercial Data

Item number	1585320
Packing unit	1 pc
Minimum order quantity	1 pc
Product Key	BF7ABB
Catalog Page	Page 521 (C-2-2019)
GTIN	4046356285056
Weight per Piece (including packing)	64.4 g
Weight per Piece (excluding packing)	64.016 g
Customs tariff number	85366990
Country of origin	CN

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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

Product properties

Type	D25 D50
Product type	Contact insert with a fixed no. of positions
Number of positions	16
Connection profile	16+PE
Number of connections per position	1
Contact type	turned
Series	HC-A
Screwdriver blade	0.5 x 3.5 mm

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Connection data

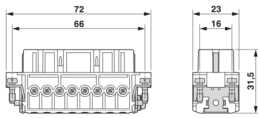
Connection technology

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

Conductor connection

Connection cross section AWG	20 ... 14
Tightening torque	0.5 Nm
Stripping length of the individual wire	7 mm

Dimensions

Dimensional drawing	
Width	23 mm
Height	33 mm
Length	72 mm
Drill hole distance, horizontal	66 mm
Drill hole distance, vertical	16 mm

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Mechanical characteristics

Contact diameter	2.5 mm
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Electrical properties

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

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)

Connector

Insertion/withdrawal cycles	≥ 500
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Cable / line

Cable structure

Stripping length of the individual wire	7 mm
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Mounting

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

Ambient conditions

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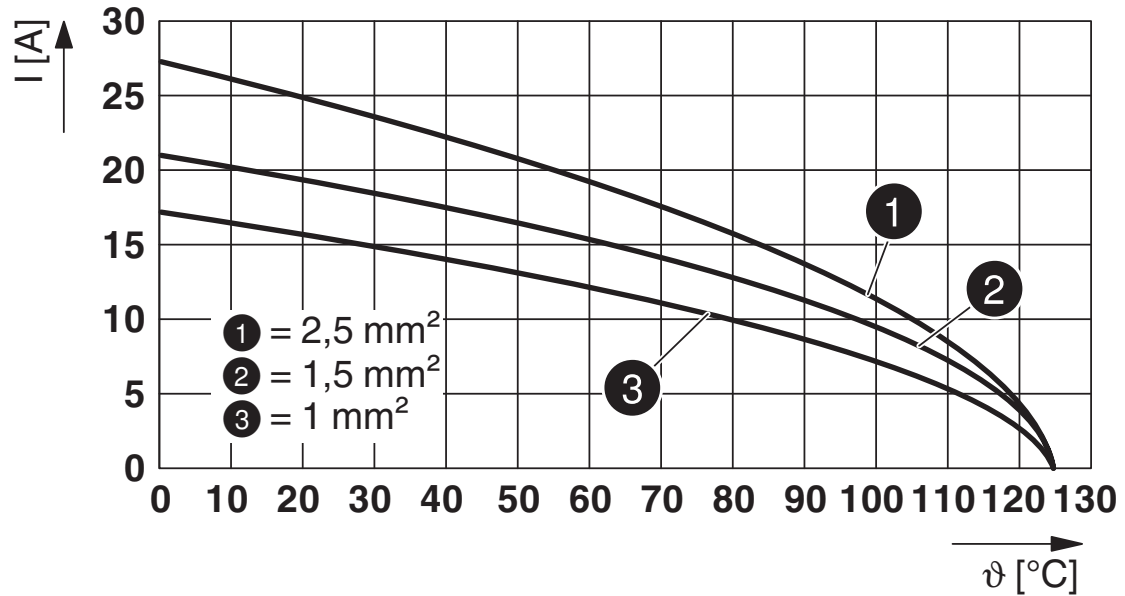
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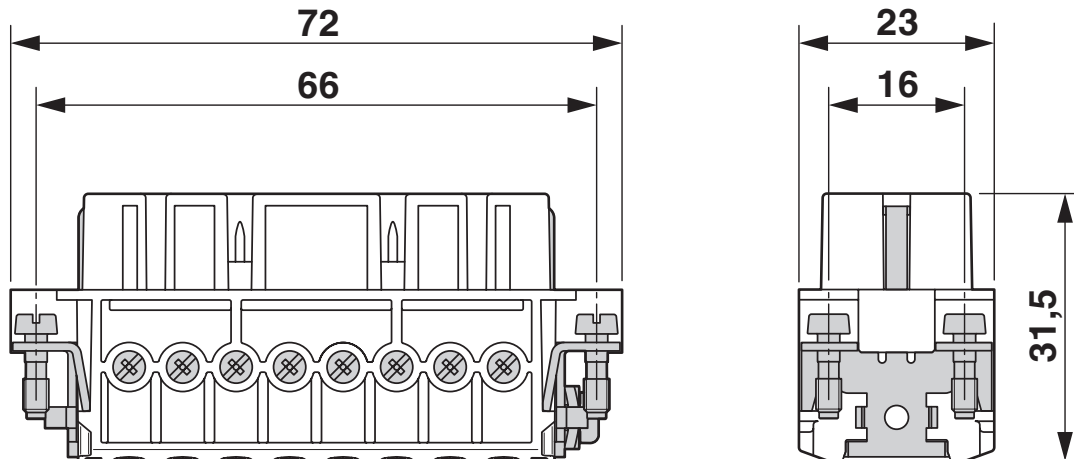
Drawings

Diagram



Derating diagram

Dimensional drawing



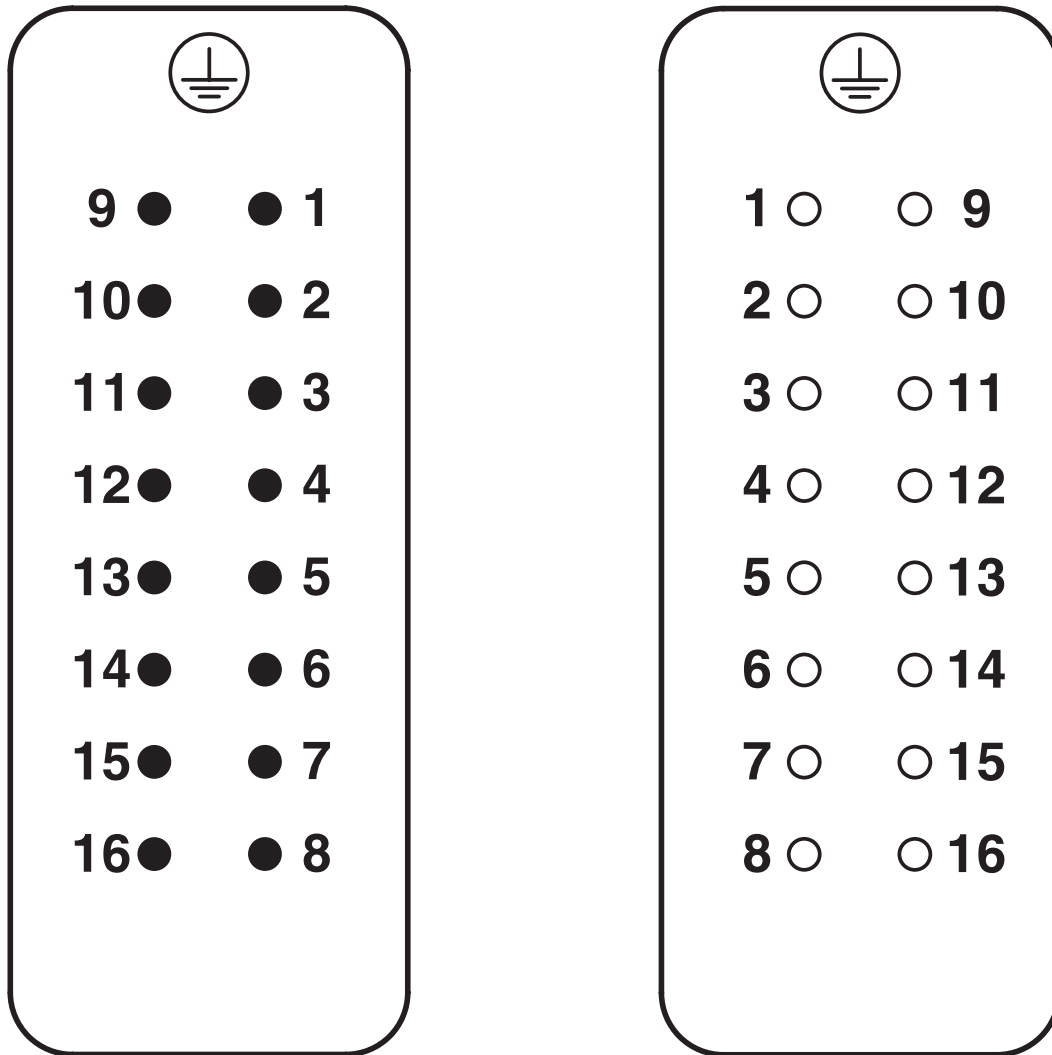
Female insert

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Schematic diagram



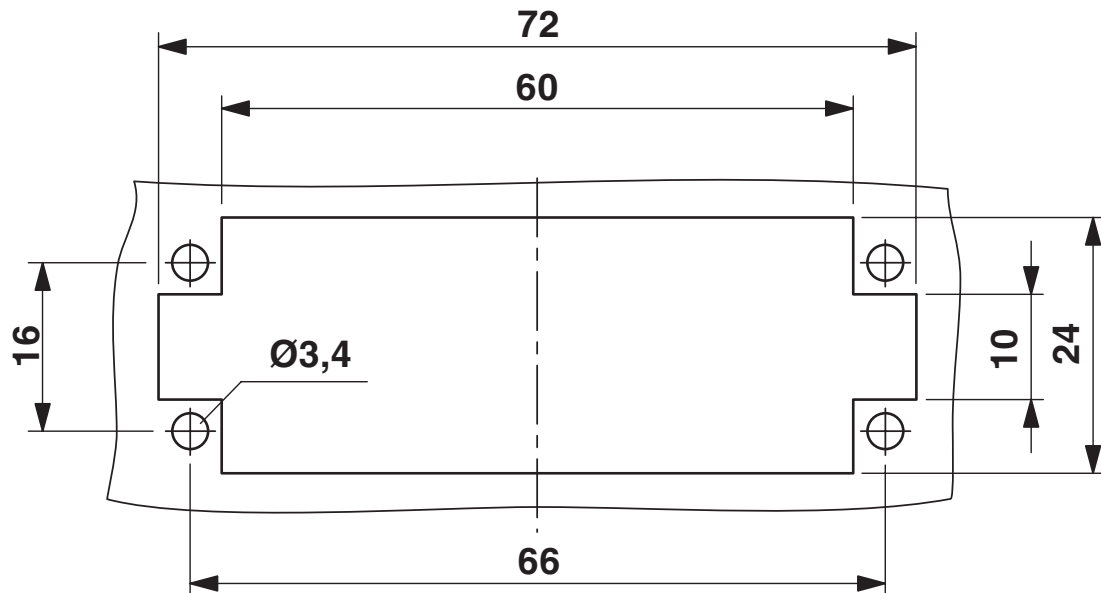
Connector pin assignment, connection side

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Dimensional drawing



Mounting cutout when used without housing

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Approvals

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.AI30.B.01102



UL Recognized

Approval ID: E468743

Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
600 V	18 A	-	-



EAC

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

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Classifications

ECLASS

ECLASS-9.0	27440205
ECLASS-10.0.1	27440205
ECLASS-11.0	27440205

ETIM

ETIM 8.0	EC000438
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UNSPSC

UNSPSC 21.0	39121500
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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Accessories

Coding bolt

Coding bolt - HC-CB - 1772722

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



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

Screw

Screw - HC-A-PES - 1584868

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



PE screw for contact inserts of A series

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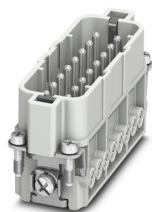


Contact insert

Contact insert - HC-A16-I-UT-M - 1585317

<https://www.phoenixcontact.com/pc/products/1585317>

HEAVYCON pin insert, A16 series, 16-pos., screw connection



Adapter

Adapter - HC-A-PE-PT - 1054712

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

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



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Coding element

Coding element - HC-CST - 1676857

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



Coding peg for coding up to 16 connectors

Coding element

Coding element - HC-CBU - 1676860

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



Coding socket for coding up to 16 connectors

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Coding profile

Coding profile - CP-HC-S - 1410916

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

Coding profile, 4 elements per star, for insertion in a coding keyway, for contact inserts HC-BB... / HC-A10-I-UT... / HC-A16-I-UT...



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