

HC-B 16-I-UT-F - Contact insert



1648241

<https://www.phoenixcontact.com/ro/produse/1648241>

Vă rugăm să țineți cont de faptul că datele afișate în acest document PDF au fost generate din catalogul nostru online. Datele complete sunt disponibile în documentația pentru utilizator. În cazul descărcărilor, se aplică Termenii și condițiile generale de utilizare ale companiei noastre.



Contact insert, number of positions: 16+PE, size: B16, number of connections per position: 1, Socket, Screw connection, 500 V, 16 A, 0.5 mm² ... 2.5 mm², application: Power

Avantajele dumneavoastră

- For fast coding with plastic profile
- For test pin 2 mm
- Shock and vibration-resistant in accordance with DIN EN 61373

Date comerciale

Număr articol	1648241
Unitate de ambalare	1 Bucată
Cantitate minimă pentru comandă	1 Bucată
Cod produs	BF7ABC
Pagina de catalog	Pagina 545 (C-2-2019)
GTIN	4046356092371
Greutate pe bucată (inclusiv ambalajul)	90,4 g
Greutate pe bucată (fără ambalaj)	90,2 g
Cod tarifar vamal	85366990
Țara de origine	CN

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Date tehnice

Notes

General	for flexible conductors with or without ferrules
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
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Product properties

Product type	Contact insert with a fixed no. of positions
Series	HC-B
Application	Power
Type	B16 B32
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

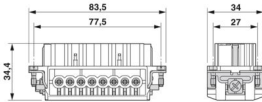
Data management status

Article revision	19
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Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Dimensions

Dimensional drawing	
Width	34 mm
Height	34.6 mm
Length	84 mm
Drill hole distance, horizontal	77.5 mm
Drill hole distance, vertical	27 mm

Mechanical characteristics

Contact diameter	2.5 mm
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Connection data

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Connection technology

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	0.8 Nm ... 1.2 Nm (PE connection)
	0.5 Nm ... 0.8 Nm (Mounting screws for mounting in the HEAVYCON housing)
	0.5 Nm ... 0.8 Nm
Stripping length of the individual wire	8 mm

Electrical properties

Rated voltage (III/3)	500 V
Rated surge voltage	6 kV
Rated current	16 A
SCCR	5 kA (UL 2237)

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 500
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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)
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Standards and regulations

Constructional and testing regulations	DIN EN 61984
	DIN EN 60664
	IEC 60352
Tests	DIN EN 61984
	DIN EN 60664
	IEC 60352

Testing

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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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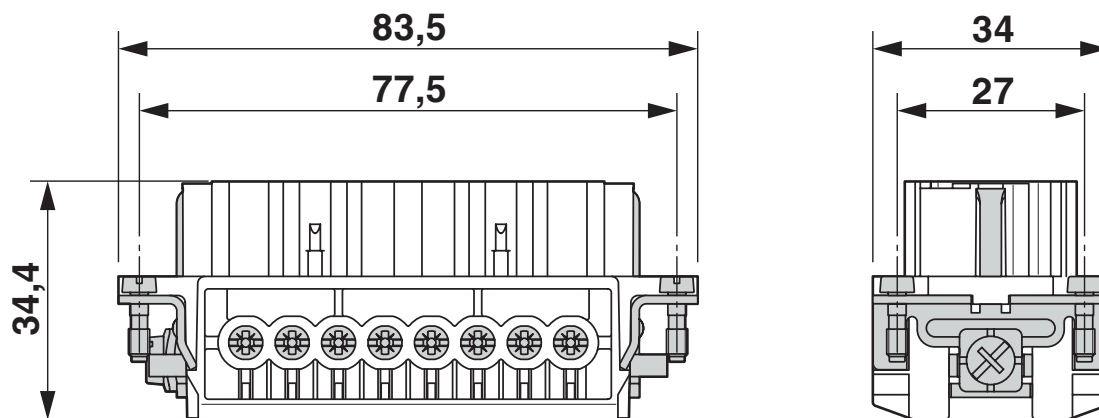
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Desene

Dimensional drawing



Female insert

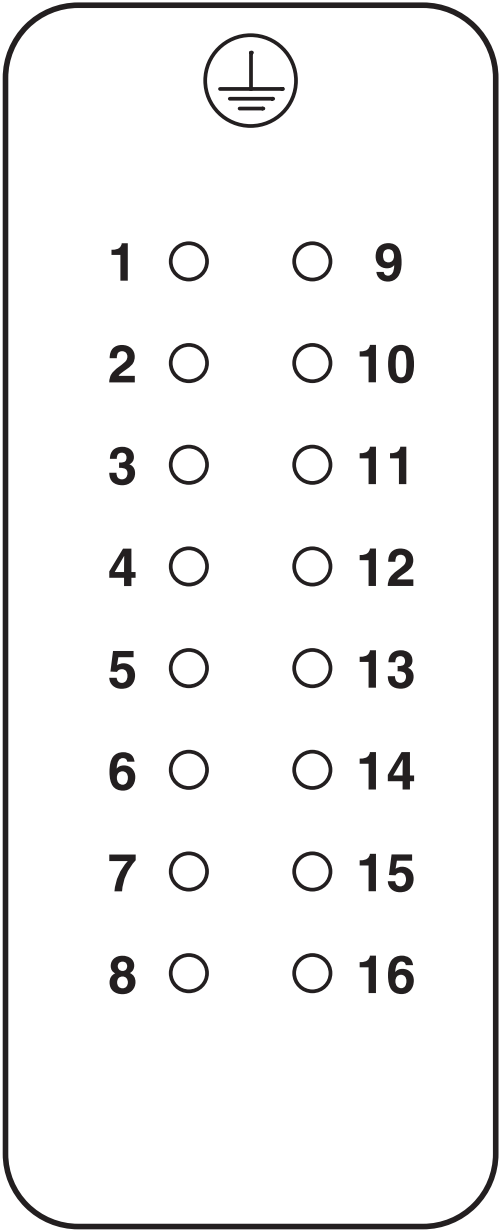
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Schematic diagram

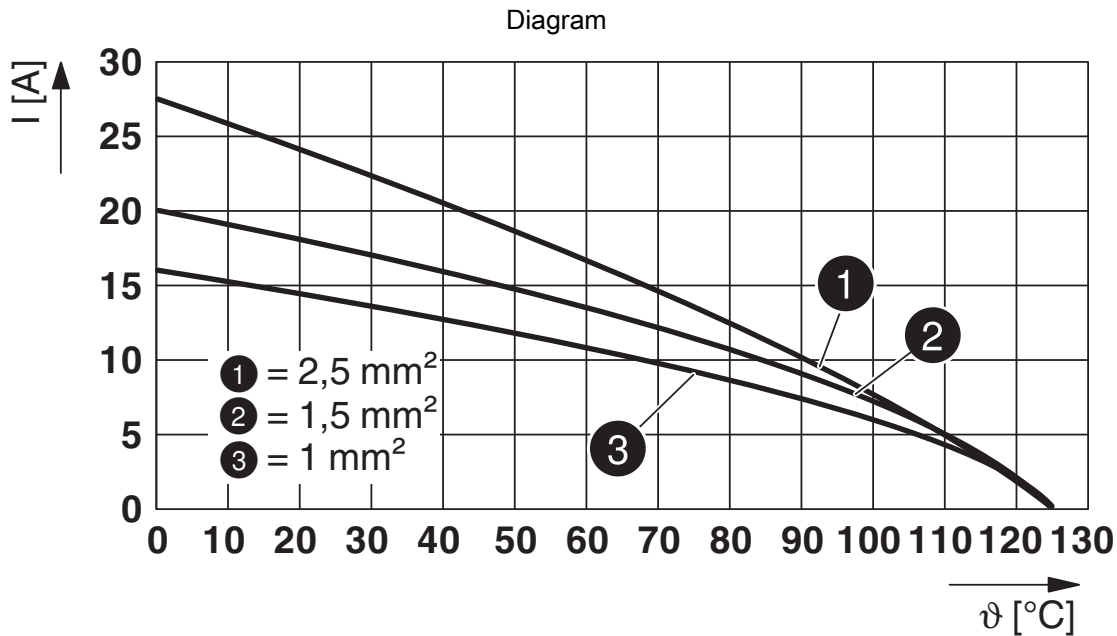


Connector pin assignment, connection side

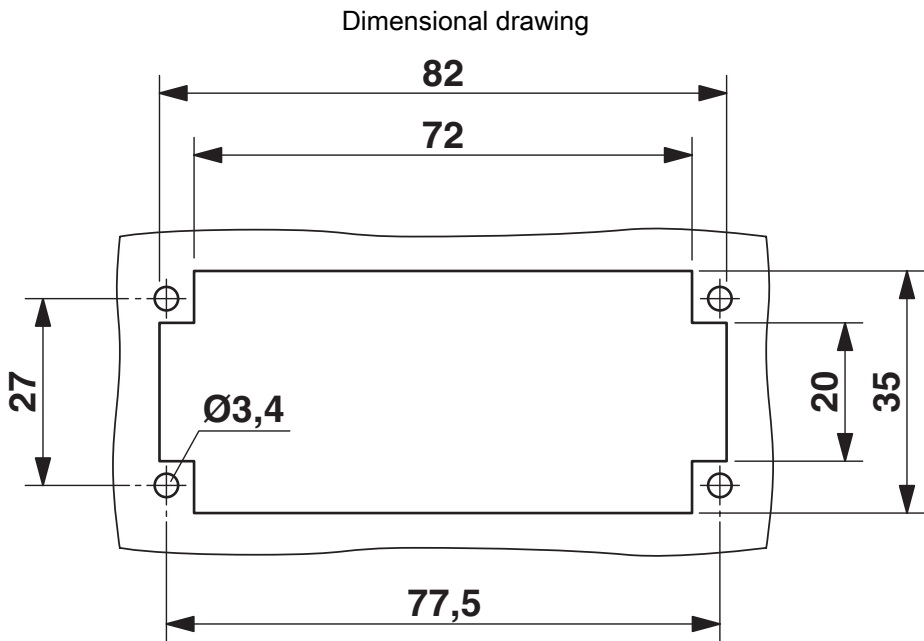
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Derating diagram



Mounting cutout when used without housing

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Aprobări

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/ro/produse/1648241>

DNV

ID de înregistrare: TAE000037S



CSA

ID de înregistrare: 013631_6233_01

	Tensiune nominală U_N	Curent nominal I_N	Secțiune transversală AWG	Secțiune transversală mm^2
	600 V	13 A	22 - 14	-



UL Recognized

ID de înregistrare: FILE E 118976

	Tensiune nominală U_N	Curent nominal I_N	Secțiune transversală AWG	Secțiune transversală mm^2
	600 V	16 A	- 14	-



EAC

ID de înregistrare: RU C-DE.BL08.B.00511



cULus Recognized

ID de înregistrare: E468743

	Tensiune nominală U_N	Curent nominal I_N	Secțiune transversală AWG	Secțiune transversală mm^2
	600 V	14 A	- 14	-

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Clasificări

ECLASS

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

ETIM

ETIM 9.0	EC000438
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UNSPSC

UNSPSC 21.0	39121500
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Environmental product compliance

EU RoHS

Îndeplinește cerințele conform directivei RoHS	Da
reglementări excepționale, dacă sunt cunoscute	6(c)

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	Un tabel de declarații China RoHS legat de articol poate fi găsit în zona de descărcare a articolului respectiv la „Declarația producătorului”. Nu se emite și nu este necesar niciun tabel de declarații China RoHS pentru toate articolele EFUP-E.

EU REACH SVHC

Trimitere la substanța candidată REACH (nr. CAS)	Lead(nr. CAS: 7439-92-1)
SCIP	c27003ce-c388-4357-86bf-4ee7f715a06d

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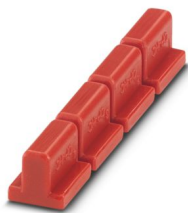


Accesorii

CP-HC - Coding profile

1686478

<https://www.phoenixcontact.com/ro/produse/1686478>



Coding profile, 4 coding profiles per strip, for insertion in coding keyways

HC-CB - Coding bolt

1772722

<https://www.phoenixcontact.com/ro/produse/1772722>



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

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HC-CST - Coding element

1676857

<https://www.phoenixcontact.com/ro/produse/1676857>



Coding peg for coding up to 16 connectors

HC-CBU - Coding element

1676860

<https://www.phoenixcontact.com/ro/produse/1676860>



Coding socket for coding up to 16 connectors

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HC-B-PE-PT - Adapter

1054672

<https://www.phoenixcontact.com/ro/produse/1054672>



PE adapter with PT connection, for 1 PE connection, for HC-B / HC-BB / HC-DD / HC-D40 / HC-D64 contact inserts

HC-B-2PE-PT - PE multiplier

1054675

<https://www.phoenixcontact.com/ro/produse/1054675>



PE adapter with PT connection, for 2 PE connections, for HC-B / HC-BB / HC-DD / HC-D40 / HC-D64 contact inserts

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HC-B-3PE - PE multiplier

1644326

<https://www.phoenixcontact.com/ro/produse/1644326>

PE multiplier, for 3 PE connections, for HC-B / HC-BB / HC-DD / HC-D40 / HC-D64 contact inserts



HC-B-PES - Screw

1604997

<https://www.phoenixcontact.com/ro/produse/1604997>

PE screw, for contact inserts HC-B / HC-BB / HC-DD / HC-D40 / HC-D64



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HC-B-ZG - Strain relief clamp

1685327

<https://www.phoenixcontact.com/ro/produse/1685327>



Strain relief clamps contact inserts of series: B-, BB-, D 40, D 64, DD and HV, straight cable exit

HC-B-ZS - Strain relief clamp

1685330

<https://www.phoenixcontact.com/ro/produse/1685330>



Strain relief clamps contact inserts of series: B-, BB-, D 40, D 64, DD and HV, lateral cable exit

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HC-CIF-B16-HFWL-PL - DIN rail mounting frame

1424336

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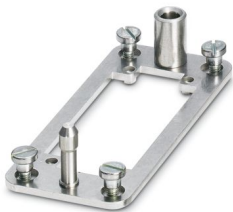


DIN rail mounting frame, design: B16, for contact inserts, Top frame

HC-B 16-ANDOCK - Docking frame

1586138

<https://www.phoenixcontact.com/ro/produse/1586138>



Docking frame for racks, for contact inserts of B16 type, with four M5 flat headed screws, rack balance x/y axis ± 1.5 mm

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HC-CIF-B06-24-BFAFL-PL - DIN rail mounting frame

1424338

<https://www.phoenixcontact.com/ro/produse/1424338>

DIN rail mounting frame, design: B6 - B24, for contact inserts, Base frame



HC-B24/16-ADP-SS - Adapter plate

1034216

<https://www.phoenixcontact.com/ro/produse/1034216>

Adapter plate, design: B24 to B16



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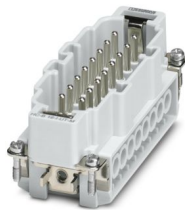
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HC-B 16-I-UT-M - Contact insert

1648238

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Contact insert, number of positions: 16+PE, size: B16, number of connections per position: 1, Pin, Screw connection, 500 V, 16 A, 0.5 mm² ... 2.5 mm², application: Power

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