

HC-B 16-A-DT-PEL-F - Terminal adapter



1648432

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HEAVYCON terminal adapter socket insert, B16 series, 16-pos., for the left side of the control cabinet, push-in connection

Your advantages

- Easy installation without tools, even when mounted, with push-in connection technology
- Shortest installation time compared to other connection technologies
- Quick and effortless wiring, in particular when space is tight
- Automatic cabling with robots possible
- Safe wiring and operation with color-coded actuators
- Shock and vibration-resistant in accordance with DIN EN 61373

Commercial data

Item number	1648432
Packing unit	5 pc
Minimum order quantity	1 pc
Sales key	31BBF
Product key	BF7ADC
Catalog page	Page 549 (C-2-2019)
GTIN	4046356092159
Weight per piece (including packing)	137.61 g
Weight per piece (excluding packing)	136.95 g
Customs tariff number	85366990
Country of origin	CN

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Technical data

Notes

General	For HEAVYCON-ADVANCE mounting flange and HEAVYCON panel mounting base of B16 type
General	Connectors may be operated only when there is no load/voltage.

Product properties

Type	B16
Product type	Terminal adapter
Product family	HC-B
Number of positions	16
Connection profile	16+PE
Contact numbering	1 - 16
Type	for the left side of the control cabinet
Series	HC-B

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

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

Connection data

Connection technology

Connection technology	Push-in connection
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Conductor connection

Conductor cross section	0.5 mm ² ... 2.5 mm ²
Connection cross section AWG	22 ... 12
Stripping length of the individual wire	10 mm (13 mm with ferrule)

Dimensions

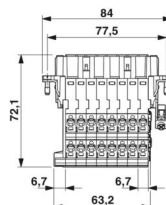
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Dimensional drawing



Width	34 mm
Height	72.1 mm
Length	84 mm
Drill hole distance, horizontal	77.5 mm
Drill hole distance, vertical	27 mm

Material specifications

Flammability rating according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Ag
Contact carrier material	PA
Standards/regulations	PA: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)

Cable/line

Stripping length of the individual wire	10 mm (13 mm with ferrule)
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Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 500
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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 125 °C

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	PA: 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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Mounting

Assembly instructions	To ensure correct use, installation in housing with IP54 protection or better is required
	Connectors may be plugged in only when there is no load/voltage.

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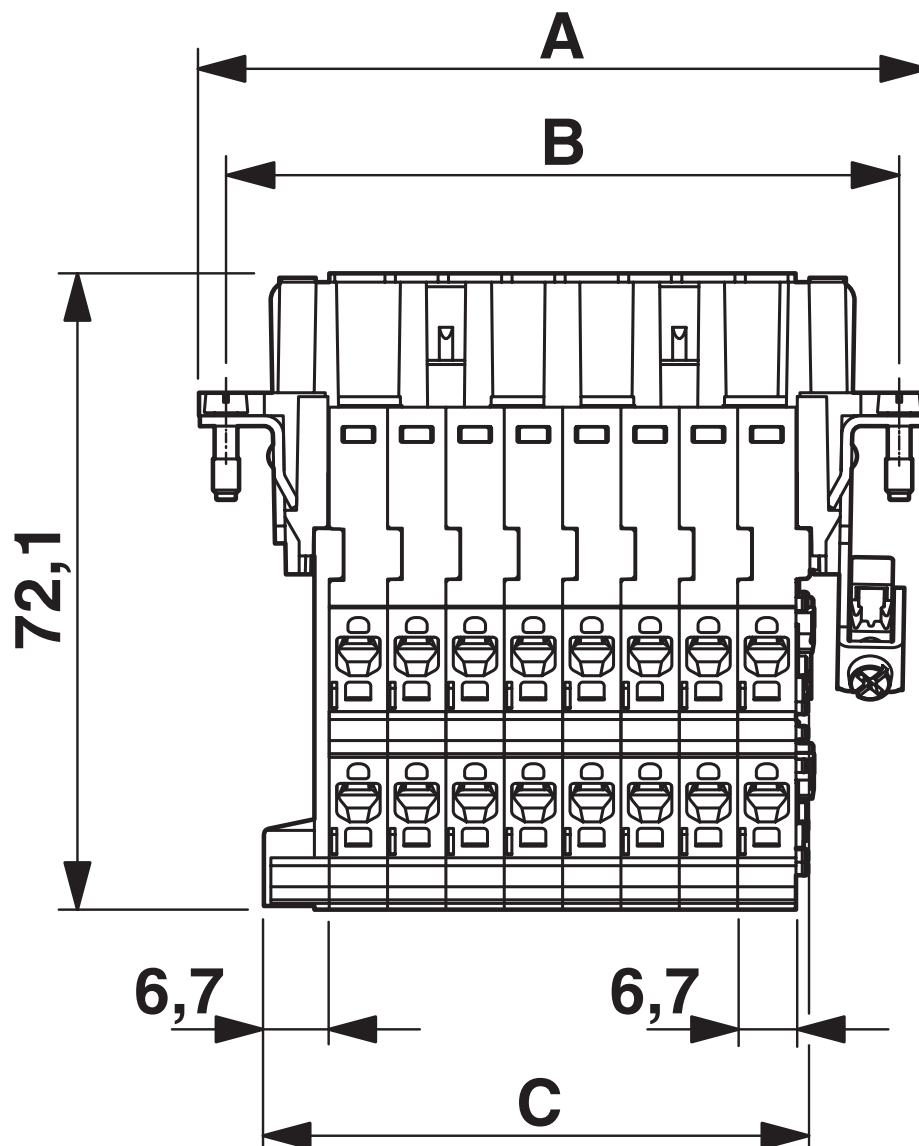
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Drawings

Dimensional drawing



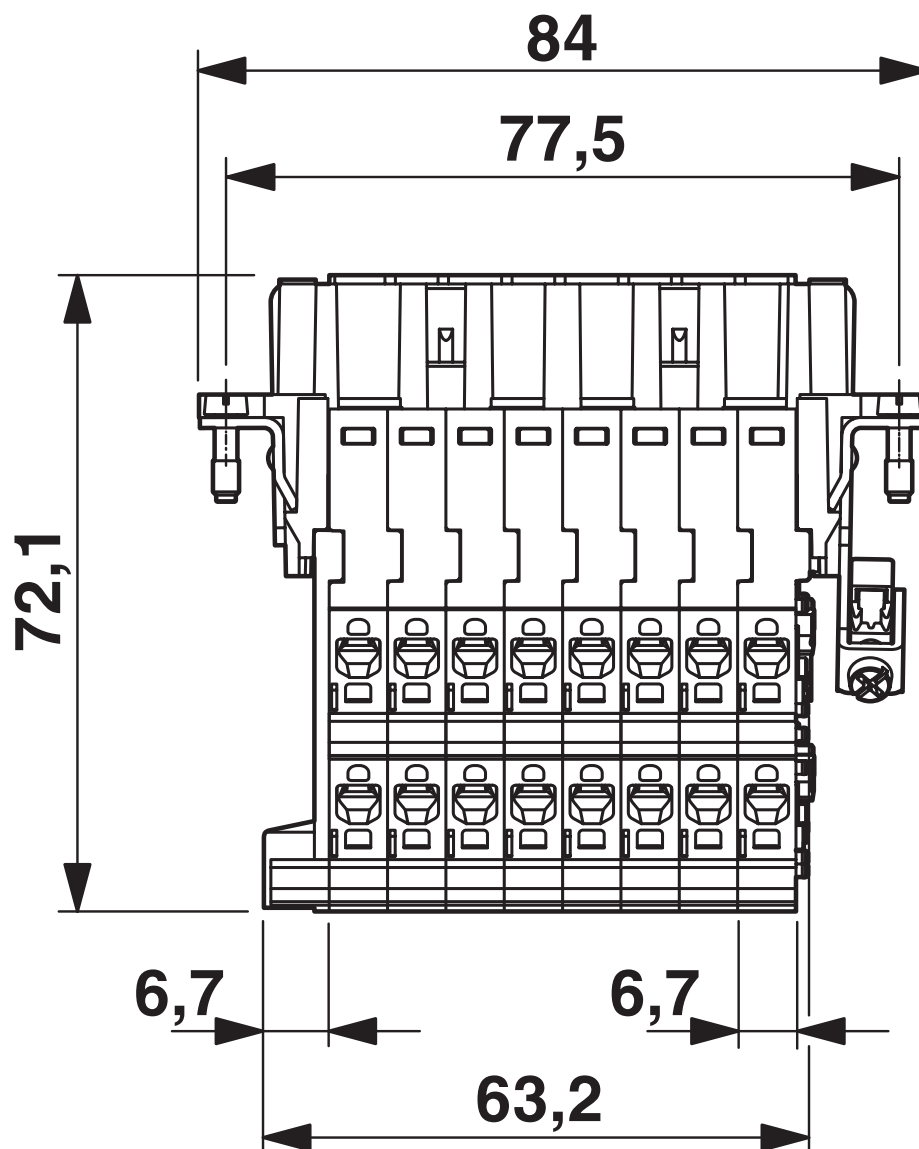
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Dimensional drawing



Dimensional drawing

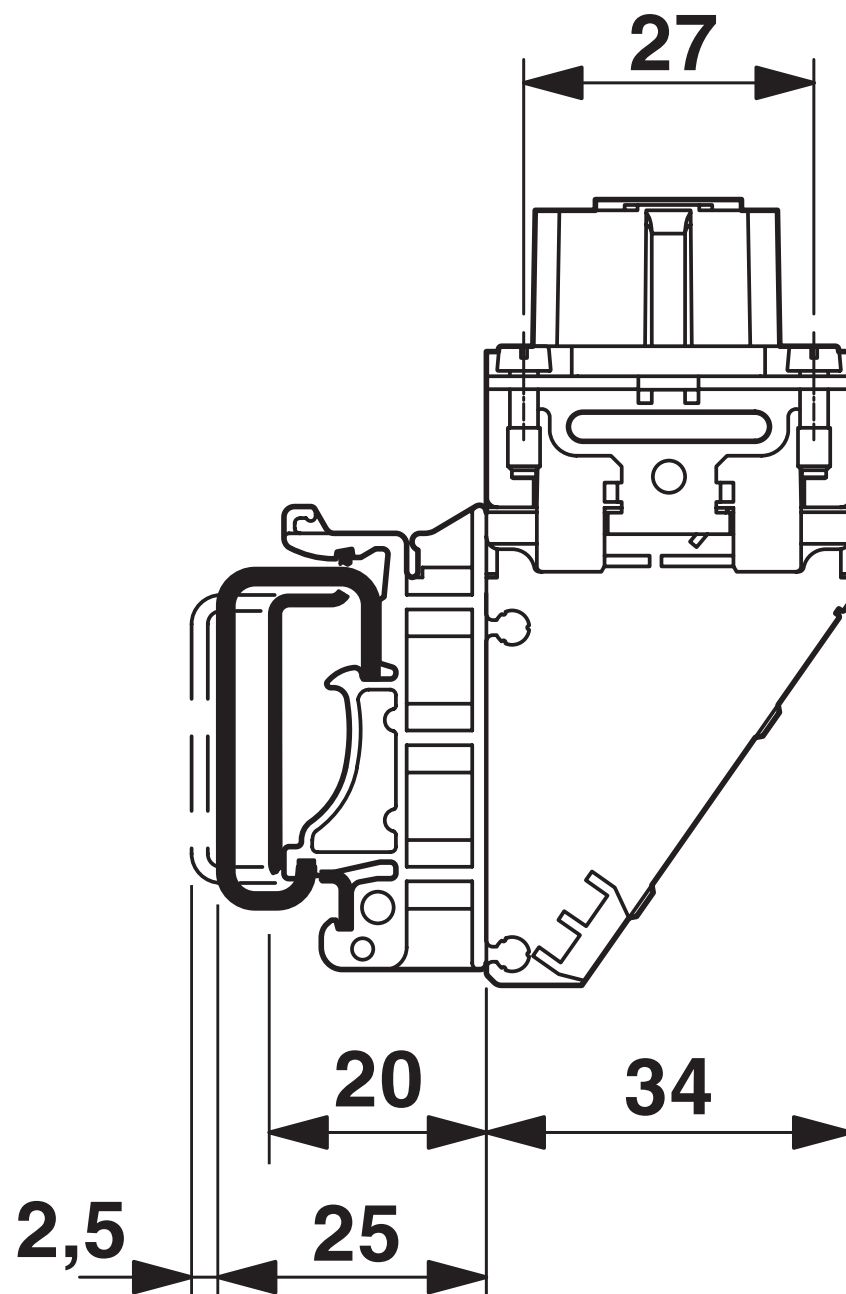
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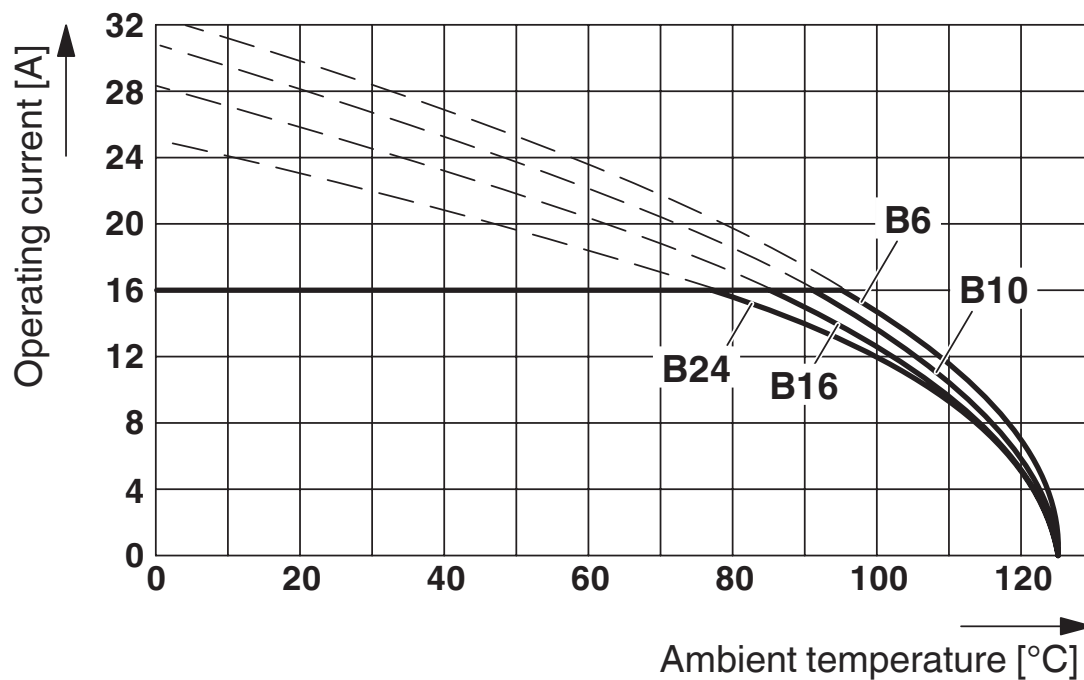
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Dimensional drawing



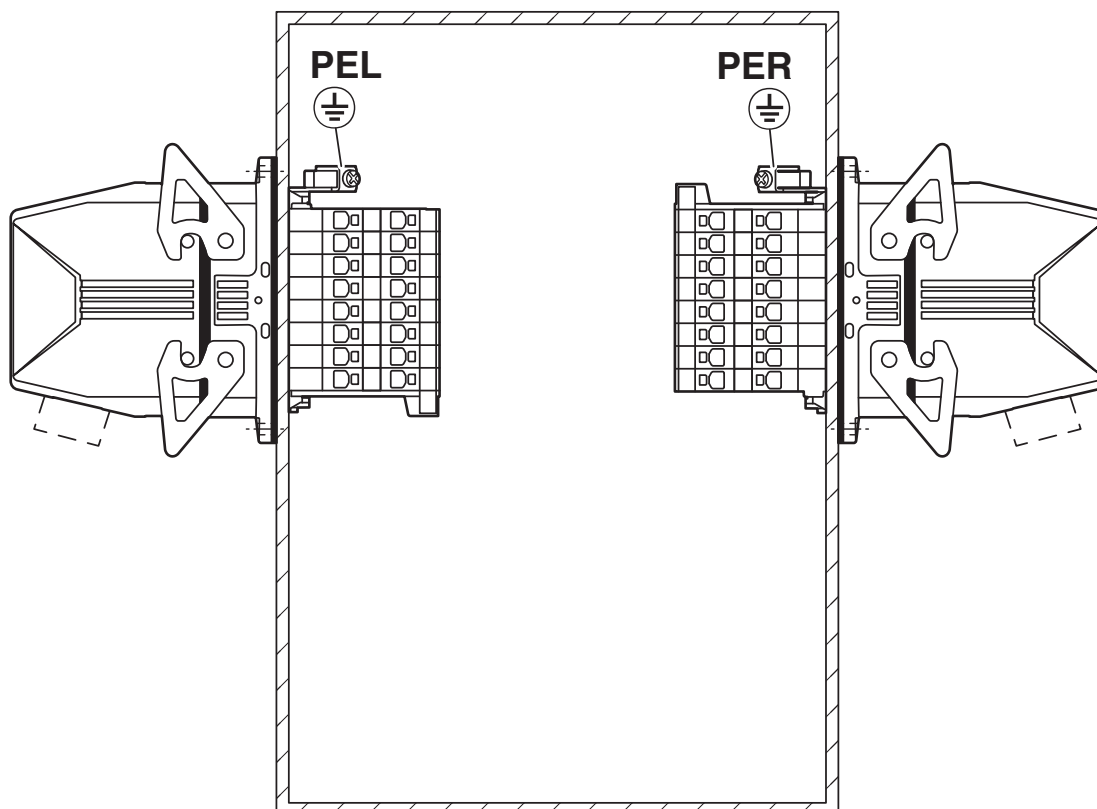
Dimensional drawing, side view

Diagram



Derating diagram

Application drawing



Mounting position PE connection left/right (PEL/PER)

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/no/products/1648432>

CSA Approval ID: 013631_6233_01				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	600 V	13 A	22 - 14	-

cUL Recognized Approval ID: FILE E 118976				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	600 V	13 A	22 - 14	-

UL Recognized Approval ID: FILE E 118976				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	600 V	13 A	22 - 14	-

EAC Approval ID: RU C-DE.BL08.B.00511				
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cULus Recognized Approval ID: E468743				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	600 V	13 A	- 14	-

cULus Recognized				
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Classifications

ECLASS

ECLASS-11.0	27440222
ECLASS-12.0	27440222
ECLASS-13.0	27440222

ETIM

ETIM 9.0	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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