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HEAVYCON terminal adapter male insert, D64 series, 64-pos., left PE connection for the right 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	1580215
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	31BBF
Product key	BF7ADE
Catalog page	Page 537 (C-2-2019)
GTIN	4046356154543
Weight per piece (including packing)	504.1 g
Weight per piece (excluding packing)	461.8 g
Customs tariff number	85366990
Country of origin	PL

HC-D 64-A-TWIN-PER-M - Terminal adapter



1580215

<https://www.phoenixcontact.com/no/products/1580215>

Technical data

Notes

General	For HEAVYCON-ADVANCE mounting flange and HEAVYCON panel mounting base of B24 type
General	Connectors may be operated only when there is no load/voltage.

Product properties

Type	B24
Product type	Terminal adapter
Product family	HC-D
Number of positions	64
Connection profile	64+PE
Application	Signal
No. of power contacts	0
No. of control contacts	64
Type	for the right side of the control cabinet
Contact material type	rolled
Series	HC-D

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated voltage (III/3)	250 V
Rated surge voltage	4 kV
Rated current	10 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 (with ferrule)
Connection cross section AWG	22 ... 12
Stripping length of the individual wire	10 mm

Dimensions

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Dimensional drawing		
Width		34 mm
Height		139.3 mm
Length		110 mm
Drill hole distance, horizontal		104 mm
Drill hole distance, vertical		27 mm

Mechanical characteristics	
Contact diameter	1.6 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
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Mechanical properties

Mechanical data	
Insertion/withdrawal cycles	≥ 500

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
	Not for HC-EVO panel mounting bases
	Not for HC-EVO panel mounting bases
	Connectors may be plugged in only when there is no load/voltage. Not for HC-B 24-AMQ-EMV housings

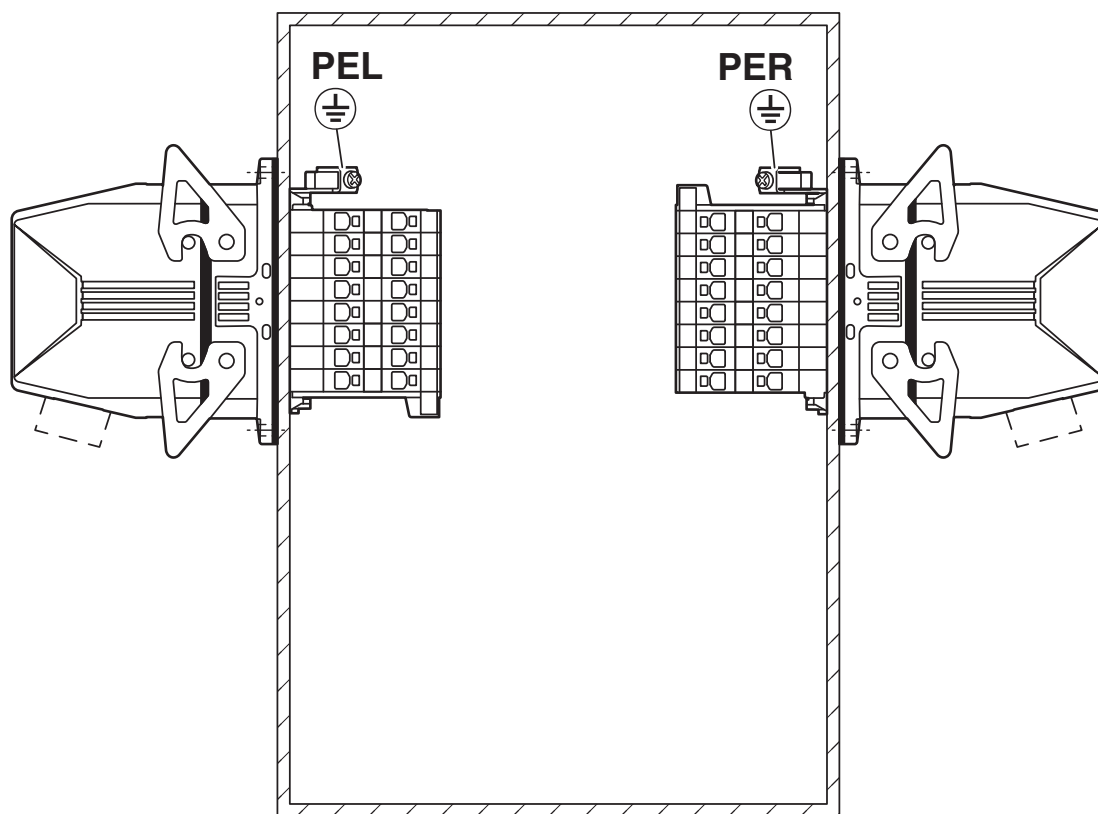
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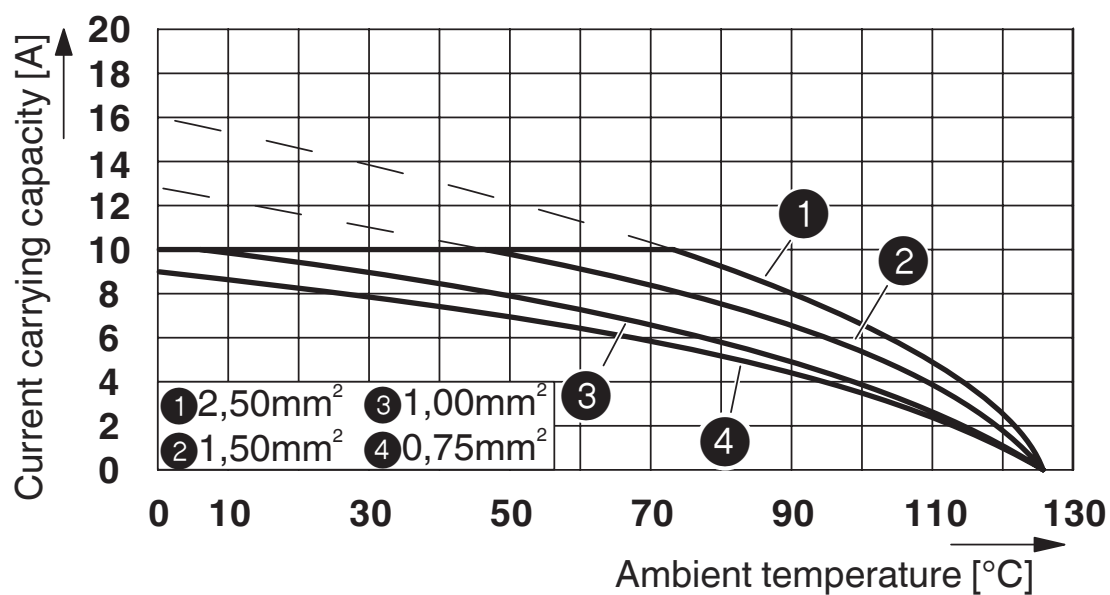
Drawings

Application drawing



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

Diagram



Derating diagram

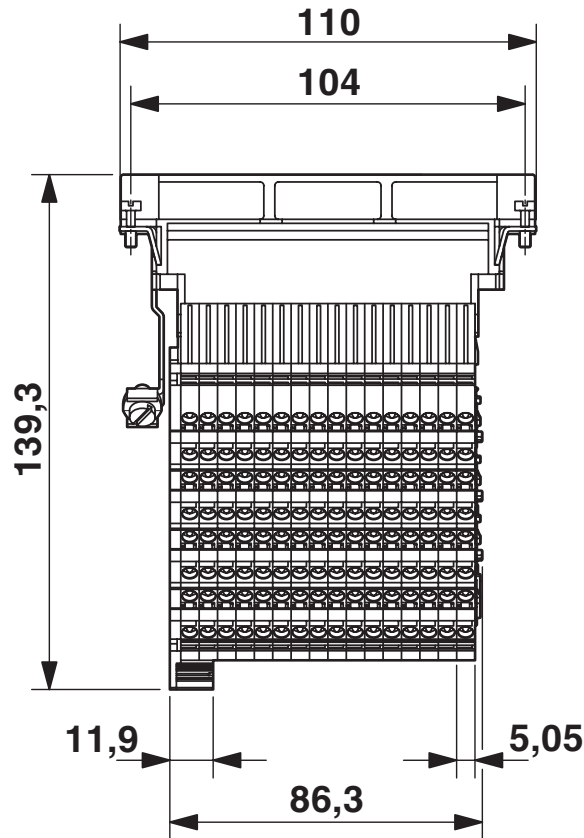
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Dimensional drawing



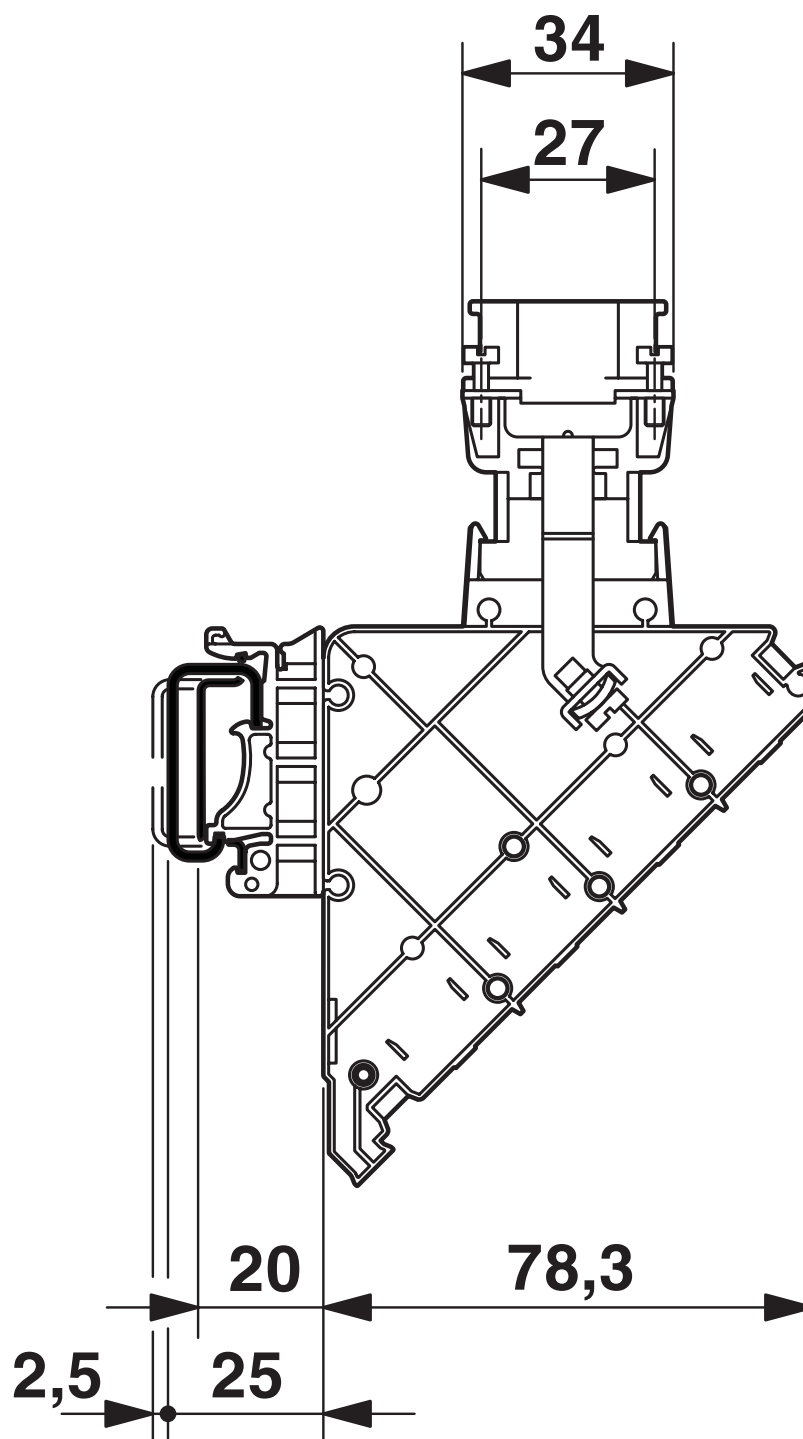
Connection side

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Dimensional drawing



Side view

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/no/products/1580215>

 CSA Approval ID: 13631				
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
	600 V	7 A	- 14	-

 UL Recognized Approval ID: E118976				
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
	600 V	7 A	- 14	-

 EAC Approval ID: RU C-DE.BL08.B.00511				
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 UL Recognized Approval ID: E468743				
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
	600 V	10 A	-	-

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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

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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