

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



1580192

<https://www.phoenixcontact.com/us/products/1580192>

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HEAVYCON terminal adapter male insert, D64 series, 64-pos., right PE connection 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	1580192
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF61
Product key	BF7ADE
Catalog page	Page 537 (C-2-2019)
GTIN	4046356154529
Weight per piece (including packing)	510.5 g
Weight per piece (excluding packing)	441.38 g
Customs tariff number	85366990
Country of origin	PL

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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

Product type	Terminal adapter
Product family	HC-D
Series	HC-D
Type	B24
Number of positions	64
Connection profile	64+PE
Type	for the left side of the control cabinet

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Data management status

Article revision	10
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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
Connection cross section AWG	22 ... 12
Stripping length of the individual wire	10 mm

Dimensions

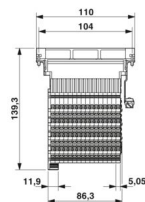
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Dimensional drawing



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

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
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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

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 note	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

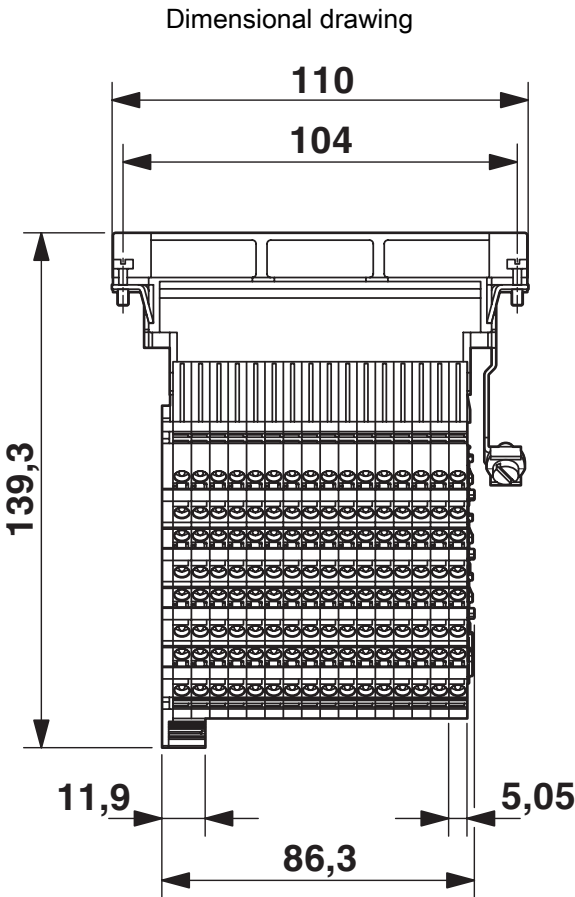
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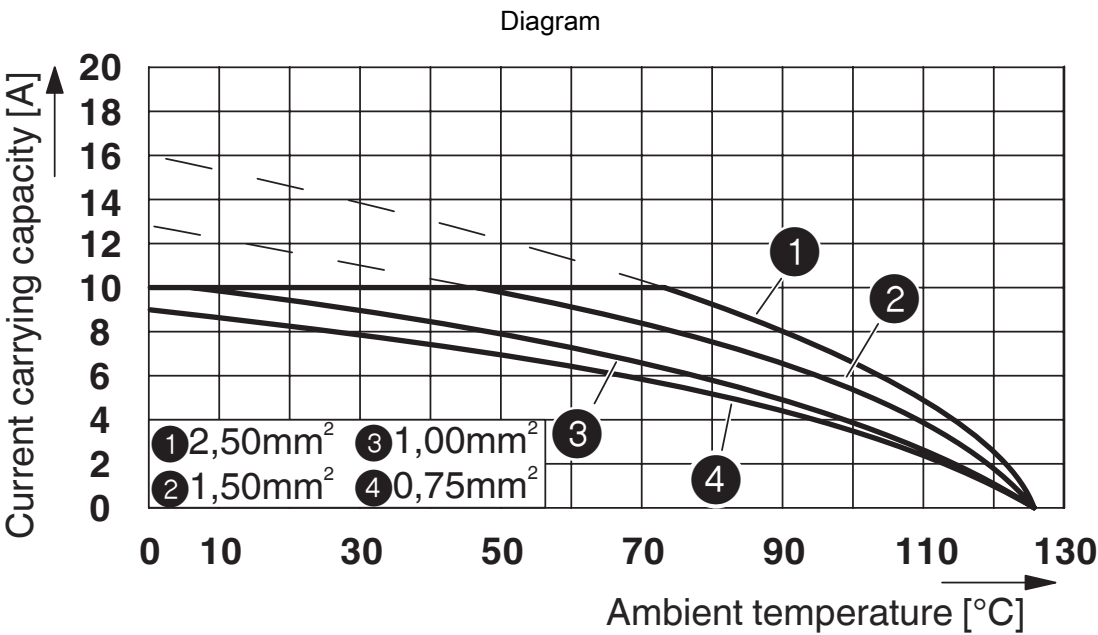
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Drawings



Connection side



Derating diagram

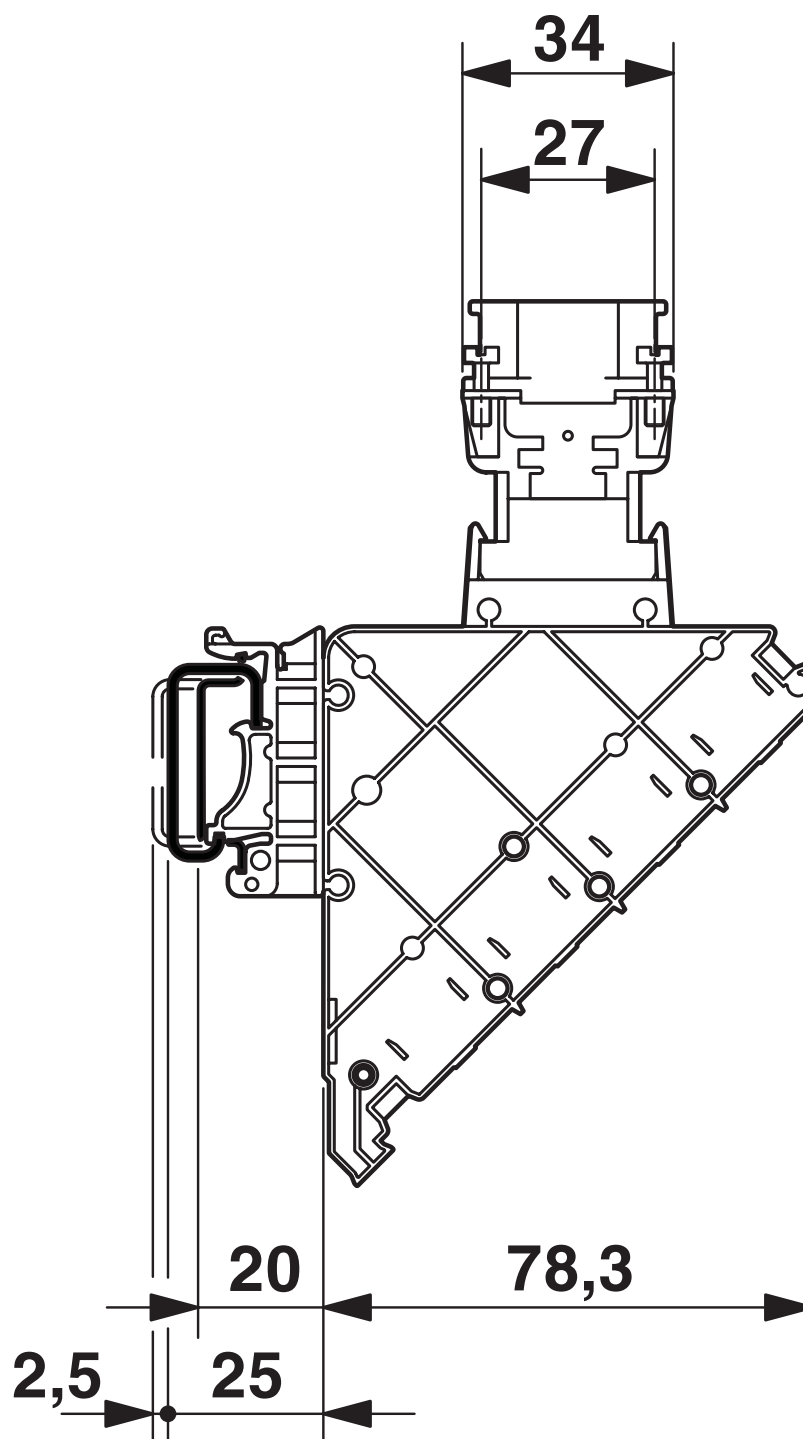
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Dimensional drawing



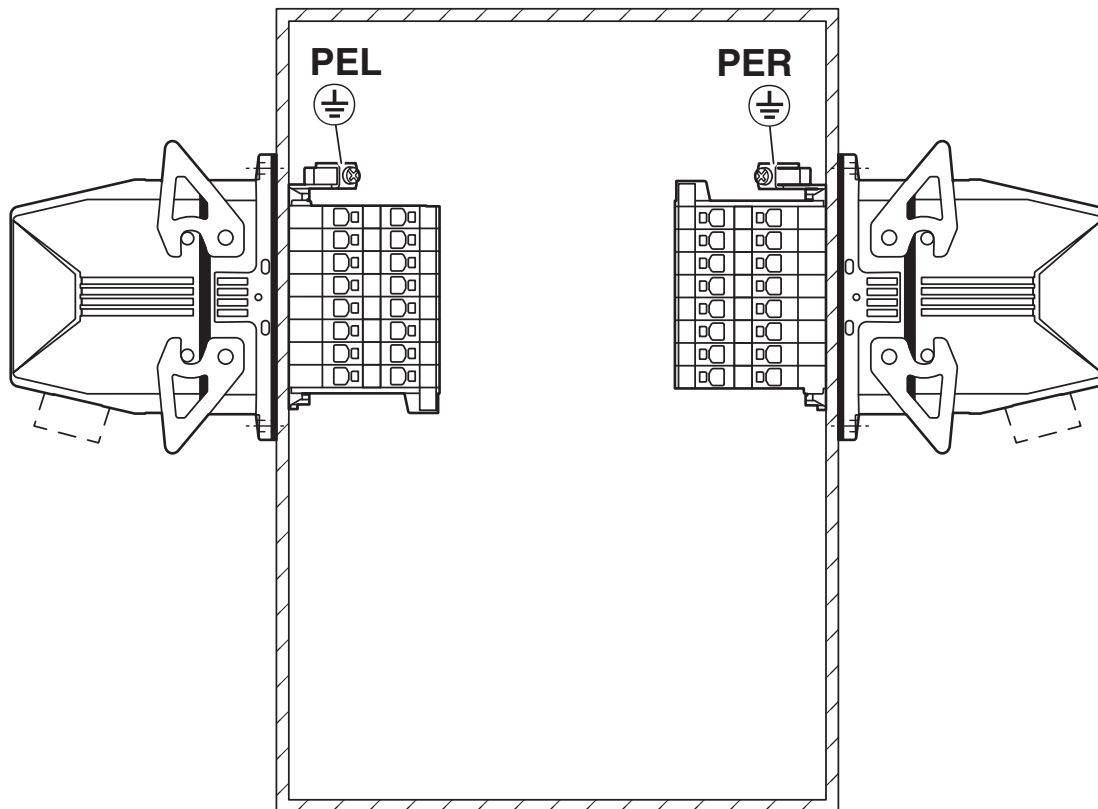
Side view

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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/us/products/1580192>

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

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

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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

EU RoHS	
Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)
China RoHS	
Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits
EU REACH SVHC	
REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	15a9f854-16bd-423d-a664-6cef63f941d0

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