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

1580189

https://www.phoenixcontact.com/us/products/1580189

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



HEAVYCON terminal adapter female 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	1580189
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF61
Product key	AF7ADE
GTIN	4046356154512
Weight per piece (including packing)	539.4 g
Weight per piece (excluding packing)	462.69 g
Customs tariff number	85366990
Country of origin	PL

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

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

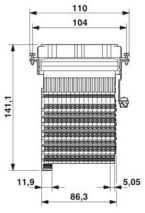
Connection technology

Connection technology	Push-in connection

Conductor connection

Conductor cross-section	0.5 mm² ... 2.5 mm²
Connection cross section AWG	22 ... 12
Stripping length of the individual wire	10 mm

Dimensions

Dimensional drawing	
Width	34 mm
Height	141.1 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

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

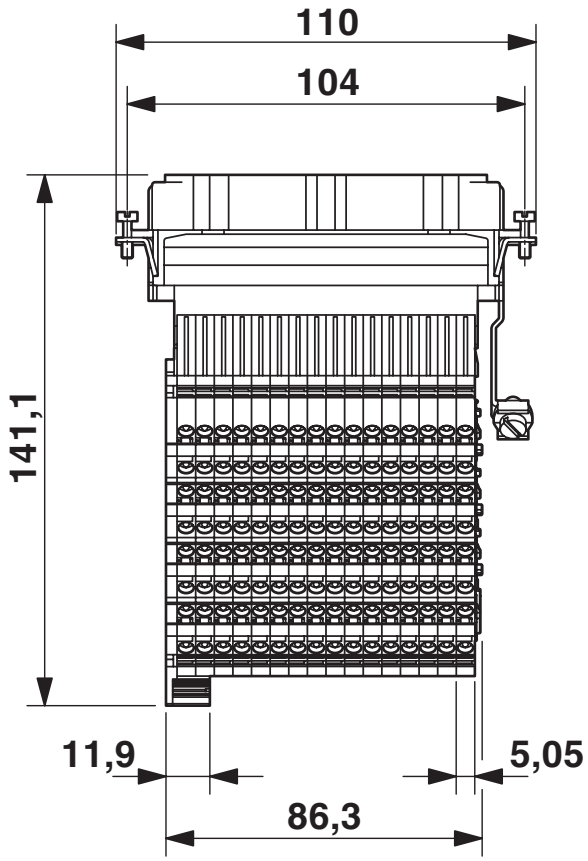
Constructional and testing regulations	DIN EN 61984
	DIN EN 60664
	IEC 60352
Tests	DIN EN 61984
	DIN EN 60664
	IEC 60352
Standards/regulations	PA: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)

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

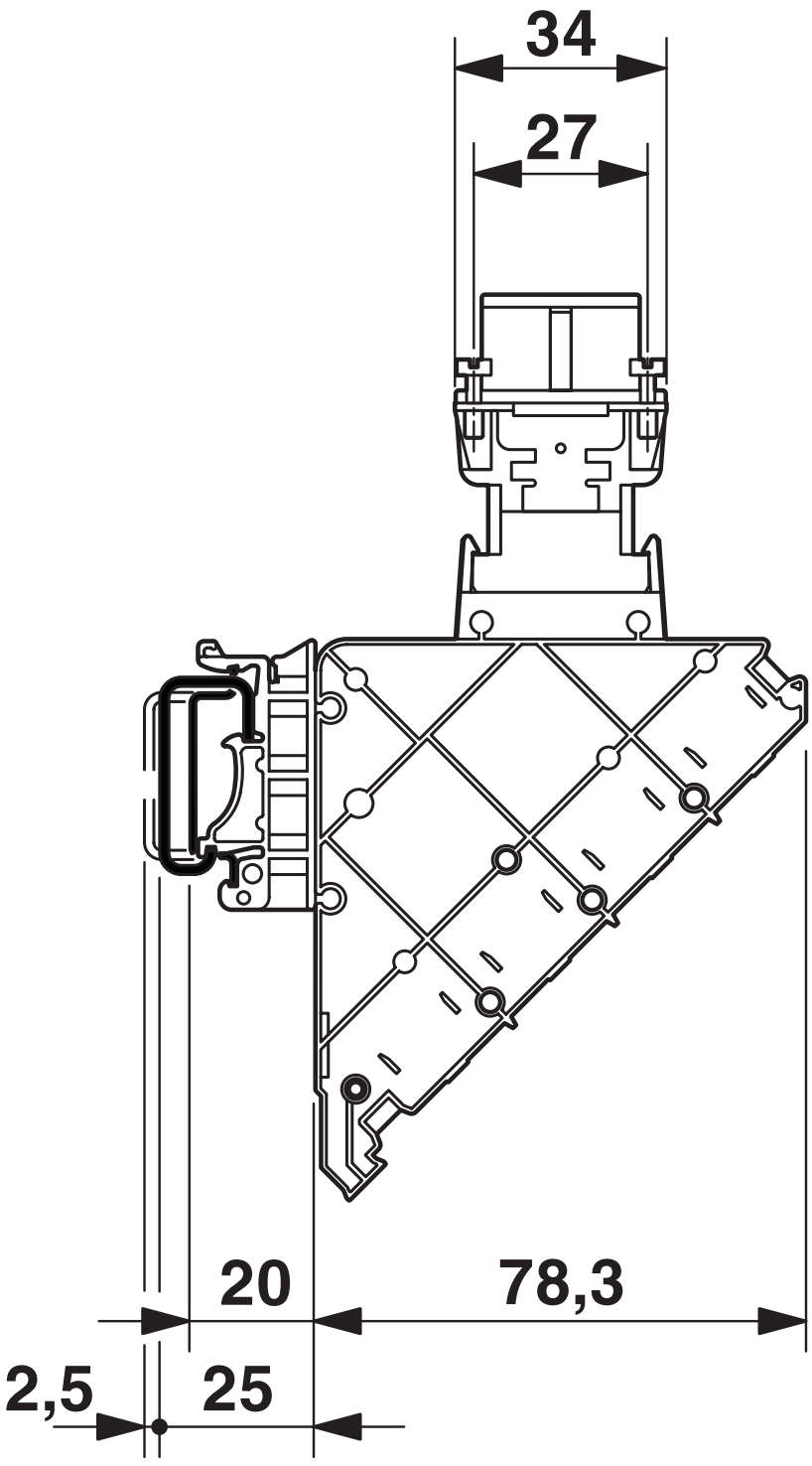
Drawings

Dimensional drawing



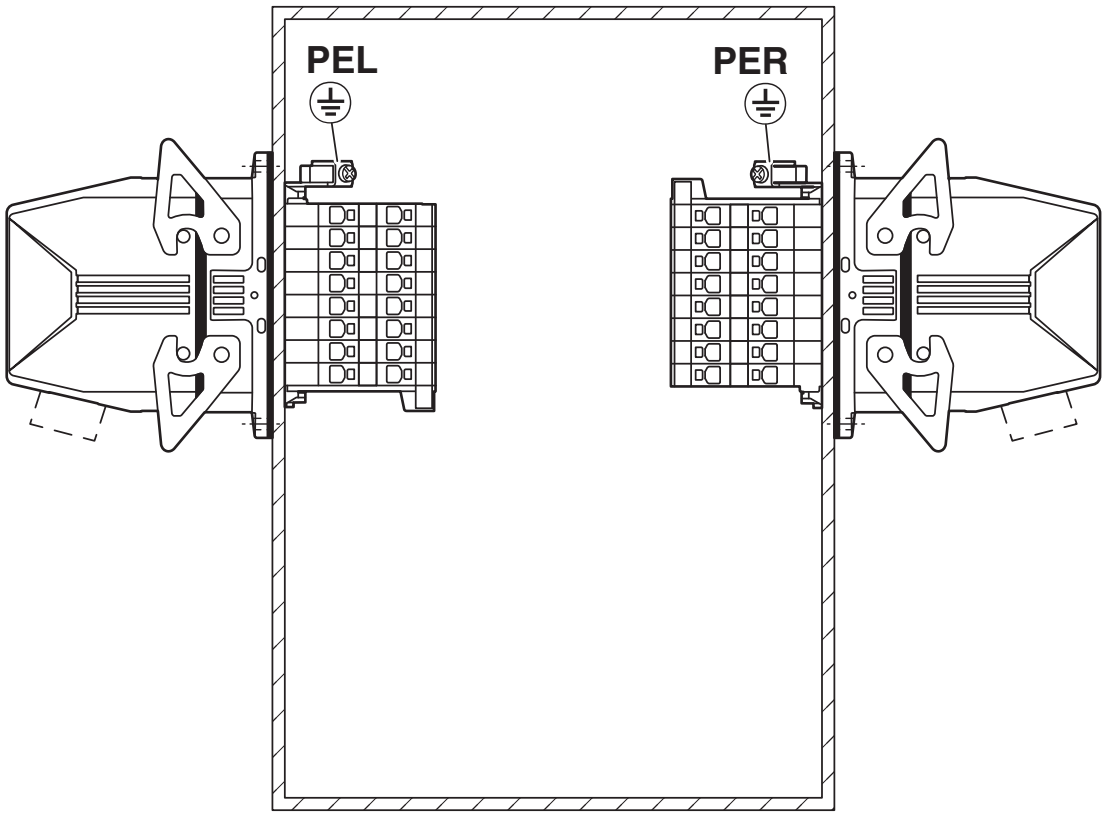
Connection side

Dimensional drawing



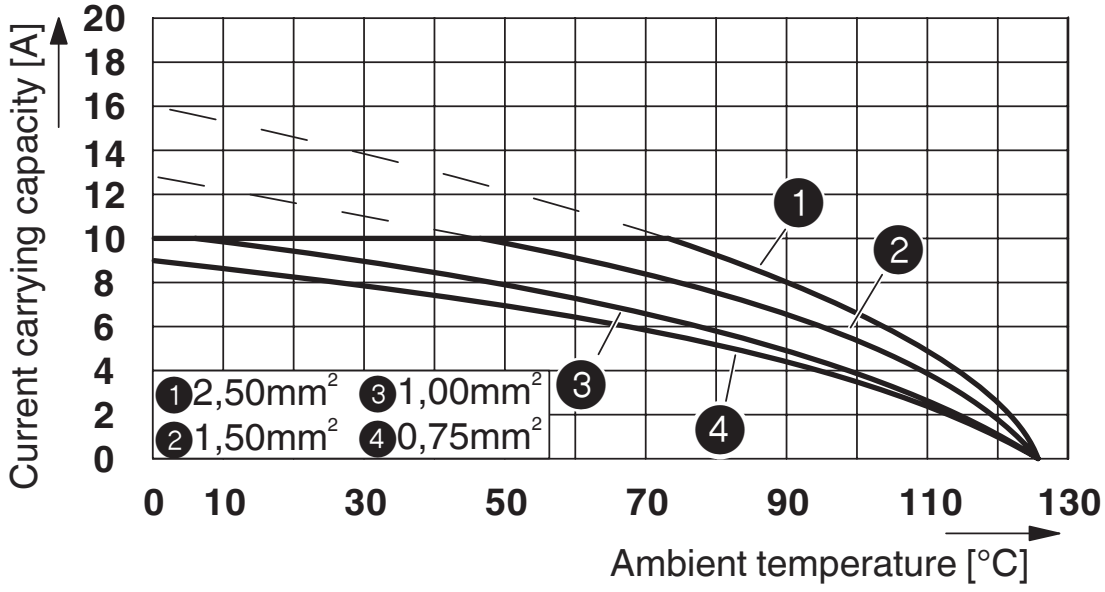
Side view

Application drawing



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

Diagram



Derating diagram

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1580189

CSA
Approval ID: 13631

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	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
keine				
	600 V	7 A	- 14	-

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
keine				
	600 V	10 A	-	-

Classifications

ECLASS

ECLASS-13.0	27440222
ECLASS-15.0	27440222

ETIM

ETIM 10.0	EC000438

UNSPSC

UNSPSC 21.0	39121500

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)

Phoenix Contact 2026 © - all rights reserved
https://www.phoenixcontact.com

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com