

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 male insert, D40 series, 40-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	1580176
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF61
Product key	AF7ADE
GTIN	4046356154505
Weight per piece (including packing)	349 g
Weight per piece (excluding packing)	331.7 g
Customs tariff number	85366990
Country of origin	PL

HC-D 40-A-TWIN-PER-M - Terminal adapter



1580176

<https://www.phoenixcontact.com/us/products/1580176>

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

Product type	Terminal adapter
Product family	HC-D
Series	HC-D
Type	B16
Number of positions	40
Connection profile	40+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

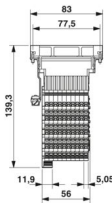
Connection technology

Connection technology	Push-in connection
-----------------------	--------------------

Conductor connection

Conductor cross section	0.5 mm ² ... 2.5 mm ²
Connection cross section AWG	22 ... 12
Stripping length of the individual wire	10 mm

Dimensions

Dimensional drawing	
Width	34 mm
Height	139.3 mm
Length	83 mm

HC-D 40-A-TWIN-PER-M - Terminal adapter



1580176

<https://www.phoenixcontact.com/us/products/1580176>

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

Cable/line

Stripping length of the individual wire	10 mm
---	-------

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

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 16-AMQ-EMV housings

HC-D 40-A-TWIN-PER-M - Terminal adapter

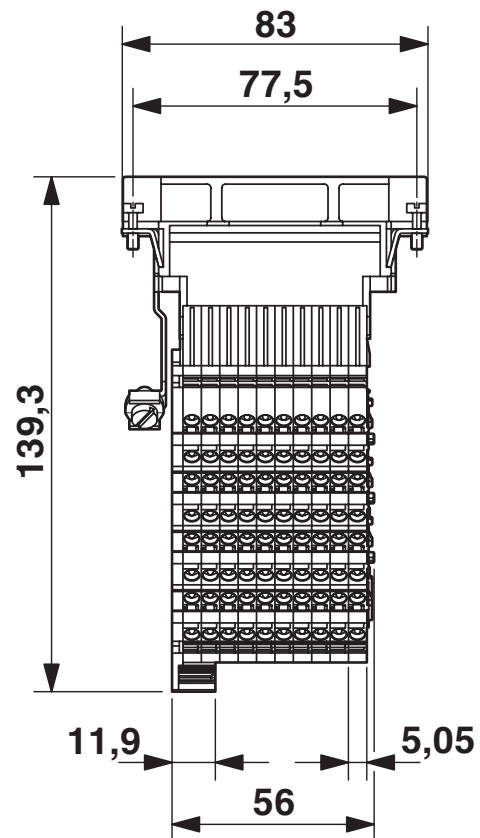
1580176

<https://www.phoenixcontact.com/us/products/1580176>



Drawings

Dimensional drawing



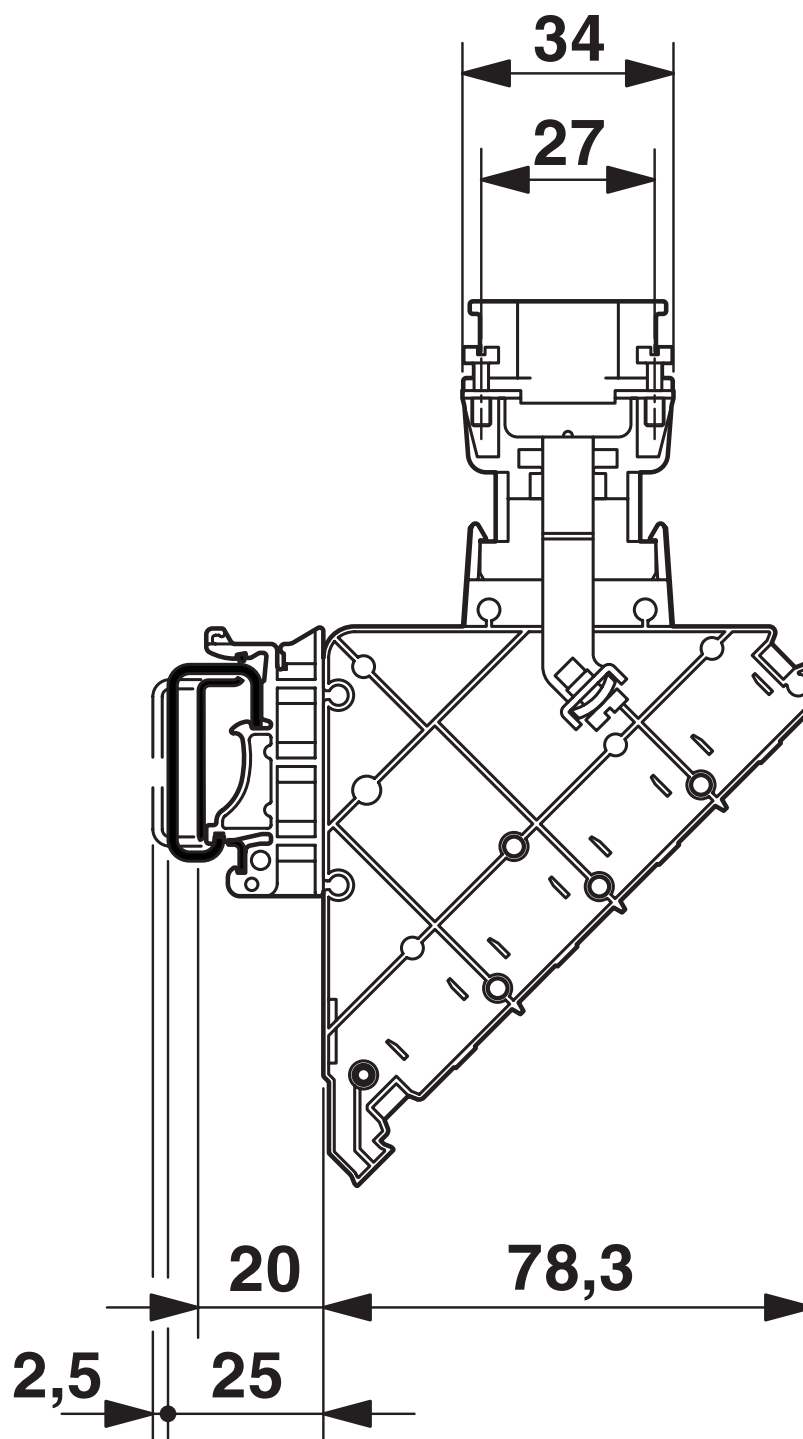
Connection side

HC-D 40-A-TWIN-PER-M - Terminal adapter

1580176

<https://www.phoenixcontact.com/us/products/1580176>

Dimensional drawing



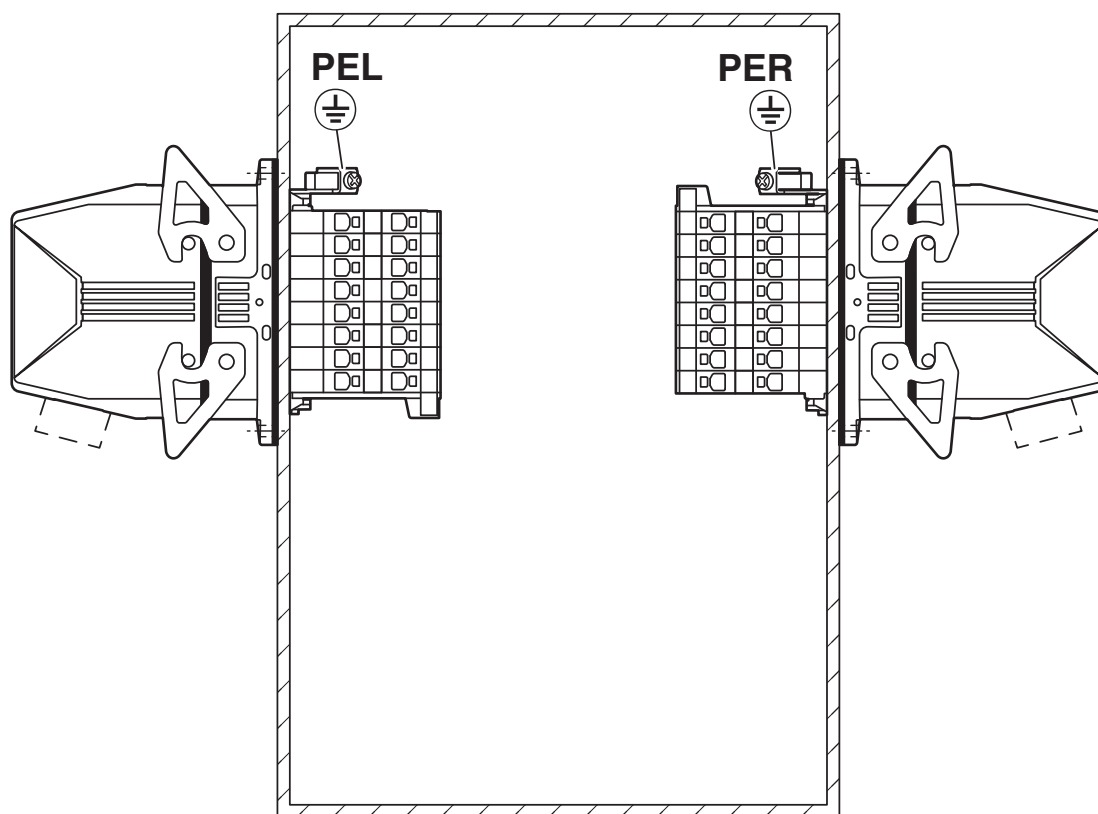
Side view

HC-D 40-A-TWIN-PER-M - Terminal adapter

1580176

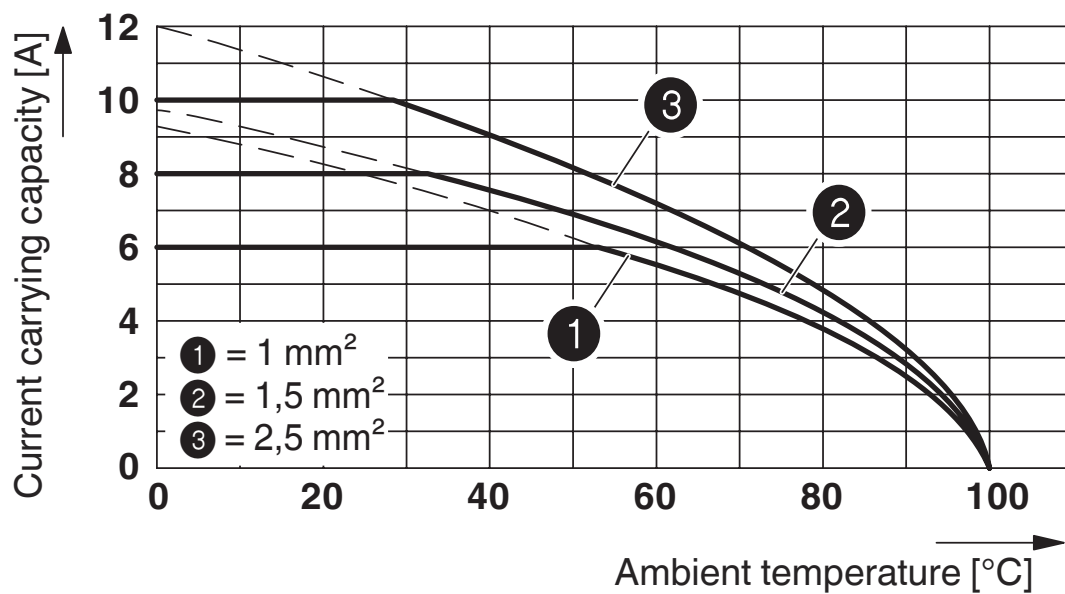
<https://www.phoenixcontact.com/us/products/1580176>

Application drawing



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

Diagram



Derating diagram

HC-D 40-A-TWIN-PER-M - Terminal adapter





1580176

<https://www.phoenixcontact.com/us/products/1580176>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1580176>

 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	-

HC-D 40-A-TWIN-PER-M - Terminal adapter



1580176

<https://www.phoenixcontact.com/us/products/1580176>

Classifications

ECLASS

ECLASS-13.0	27440222
ECLASS-15.0	27440222

ETIM

ETIM 9.0	EC000438
----------	----------

UNSPSC

UNSPSC 21.0	39121500
-------------	----------

HC-D 40-A-TWIN-PER-M - Terminal adapter



1580176

<https://www.phoenixcontact.com/us/products/1580176>

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	28879a2d-260d-4cf5-b7f4-49bd35d4a70b

Phoenix Contact 2025 © - 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