

HC-D 40-A-TWIN-PEL-F - Terminal adapter



1580147

<https://www.phoenixcontact.com/gb/products/1580147>

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, D40 series, 40-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	1580147
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AF7ADE
Product key	AF7ADE
Catalog page	Page 537 (C-2-2019)
GTIN	4046356154475
Weight per piece (including packing)	365.3 g
Weight per piece (excluding packing)	357.5 g
Customs tariff number	85366990
Country of origin	PL

HC-D 40-A-TWIN-PEL-F - Terminal adapter



1580147

<https://www.phoenixcontact.com/gb/products/1580147>

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
Type	for the left side of the control cabinet

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

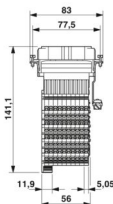
Connection technology

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	141.1 mm

HC-D 40-A-TWIN-PEL-F - Terminal adapter



1580147

<https://www.phoenixcontact.com/gb/products/1580147>

Length	83 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

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

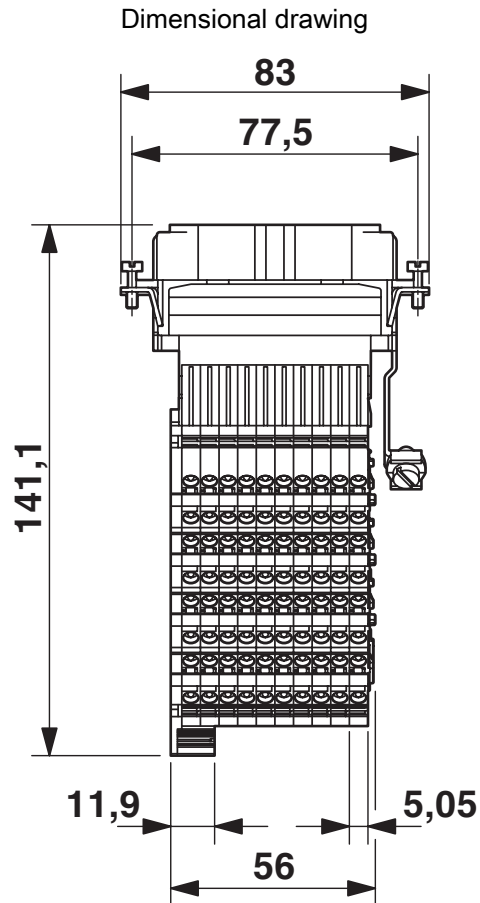
HC-D 40-A-TWIN-PEL-F - Terminal adapter

1580147

<https://www.phoenixcontact.com/gb/products/1580147>



Drawings



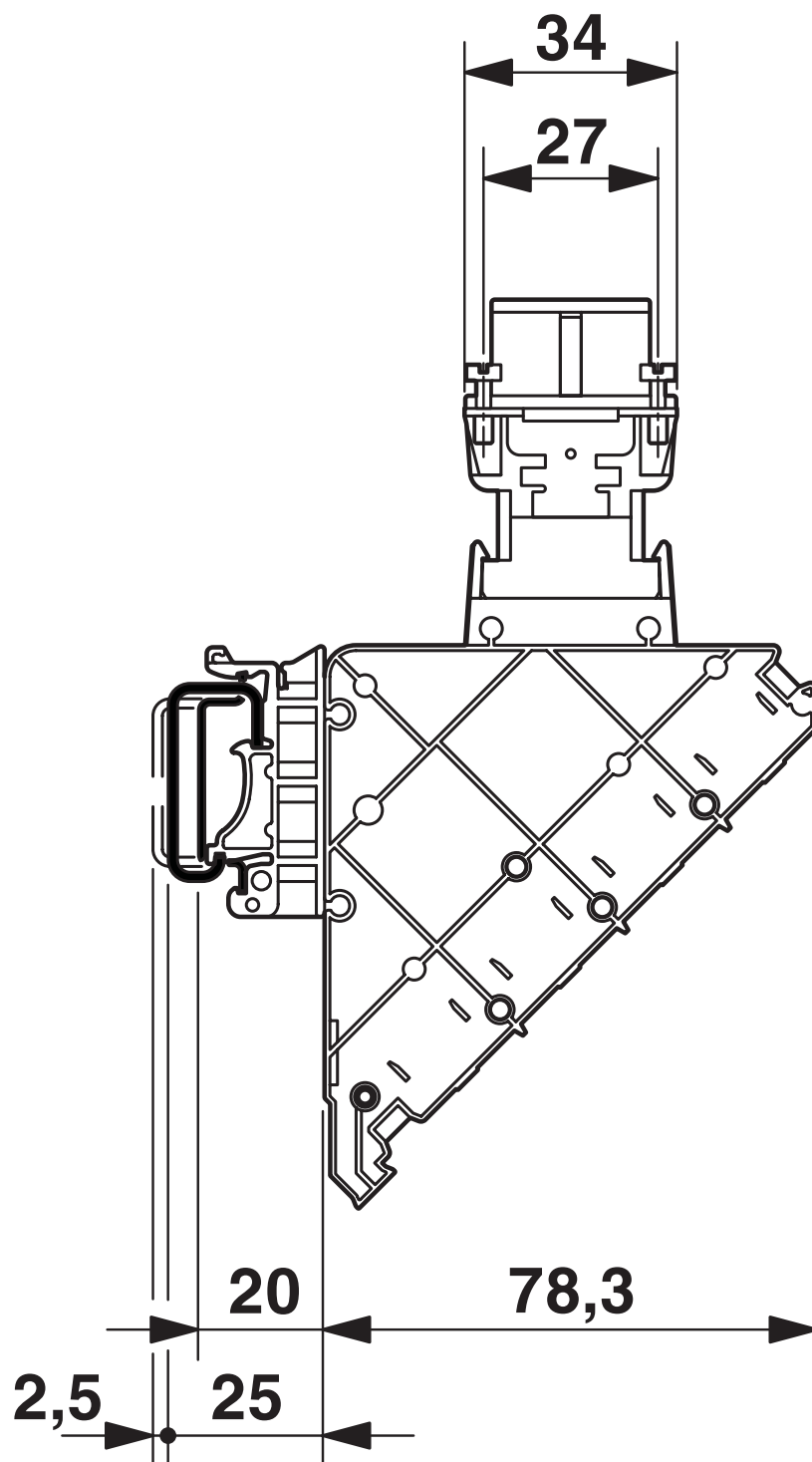
Connection side

HC-D 40-A-TWIN-PEL-F - Terminal adapter

1580147

<https://www.phoenixcontact.com/gb/products/1580147>

Dimensional drawing



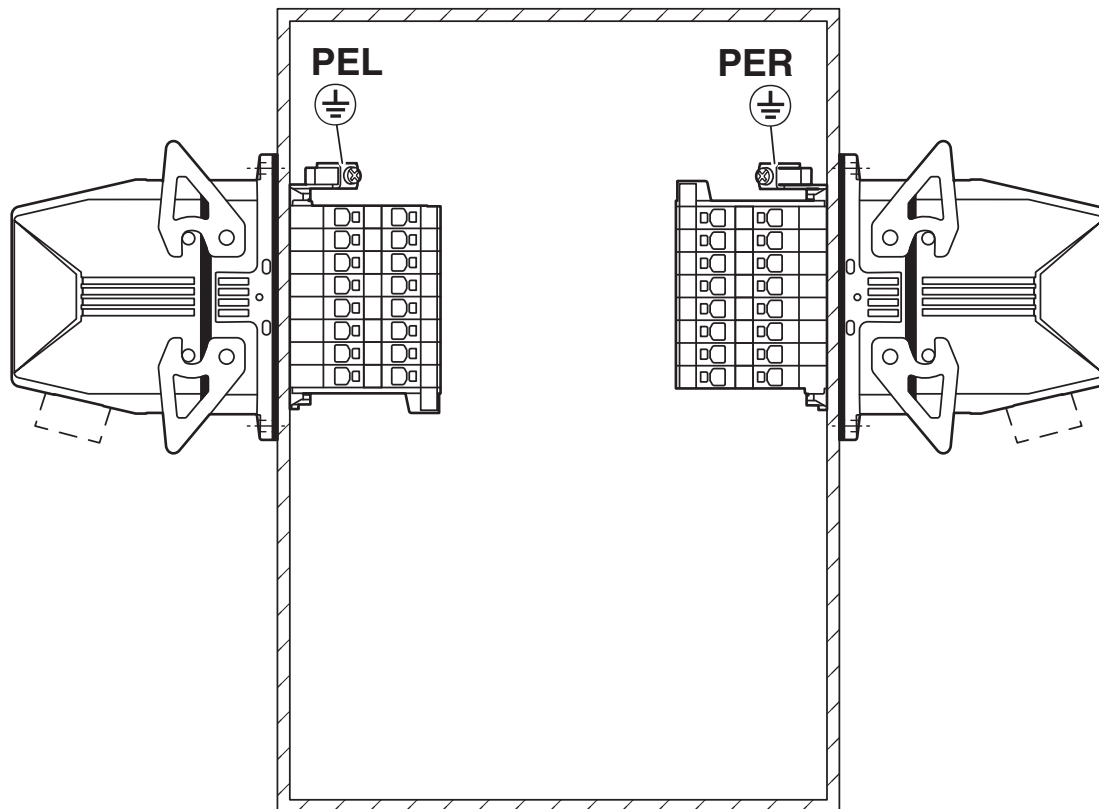
Side view

HC-D 40-A-TWIN-PEL-F - Terminal adapter

1580147

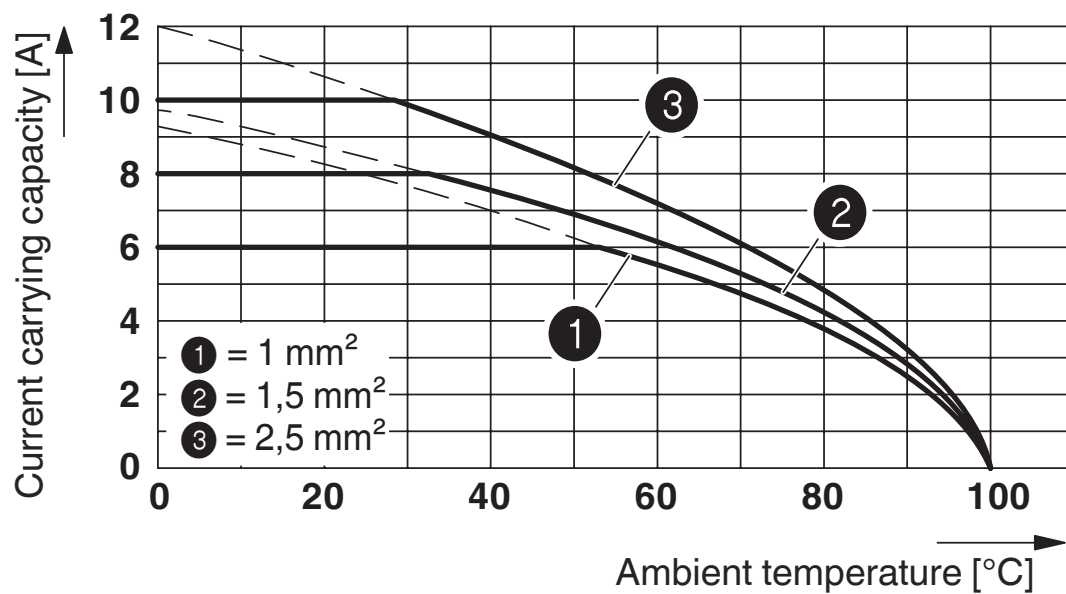
<https://www.phoenixcontact.com/gb/products/1580147>

Application drawing



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

Diagram



Derating diagram

HC-D 40-A-TWIN-PEL-F - Terminal adapter



1580147

<https://www.phoenixcontact.com/gb/products/1580147>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/gb/products/1580147>

 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.AI30.B.01102				
--	--	--	--	--

 UL Recognized Approval ID: E468743				
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
	600 V	10 A	-	-

HC-D 40-A-TWIN-PEL-F - Terminal adapter



1580147

<https://www.phoenixcontact.com/gb/products/1580147>

Classifications

ECLASS

ECLASS-13.0	27440222
-------------	----------

ETIM

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

UNSPSC

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

HC-D 40-A-TWIN-PEL-F - Terminal adapter



1580147

<https://www.phoenixcontact.com/gb/products/1580147>

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
---	--------------------

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
-------------------------------------	----------------------------

Phoenix Contact 2025 © - all rights reserved
<https://www.phoenixcontact.com>

PHOENIX CONTACT Ltd
Halesfield 13, Telford
Shropshire, TF7 4PG
01952 681700
info@phoenixcontact.co.uk