

HC-D 40-A-UT-PEL-M - Terminal adapter



1584240

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HEAVYCON terminal adapter male insert, D40 series, 40-pos., right PE connection for the left side of the control cabinet, screw connection

Commercial data

Item number	1584240
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	31BBF
Product key	BF7ADE
Catalog page	Page 537 (C-2-2019)
GTIN	4046356142311
Weight per piece (including packing)	335 g
Weight per piece (excluding packing)	334.9 g
Customs tariff number	85366990
Country of origin	CN

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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

Type	B16
Product type	Terminal adapter
Product family	HC-D
Number of positions	40
Connection profile	40+PE
Type	for the left side of the control cabinet
Series	HC-D
Screwdriver blade	0.5 x 3.5 mm

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	Screw connection
Connection in acc. with standard	IEC / EN

Conductor connection

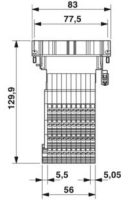
Conductor cross section	0.5 mm ² ... 2.5 mm ²
Connection cross section AWG	22 ... 12
Tightening torque	0.5 Nm ... 0.8 Nm
Stripping length of the individual wire	10 mm

Dimensions

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Dimensional drawing		
Width		34 mm
Height		129.9 mm
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: 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	
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

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Assembly instructions	To ensure correct use, installation in housing with IP54 protection or better is required
	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

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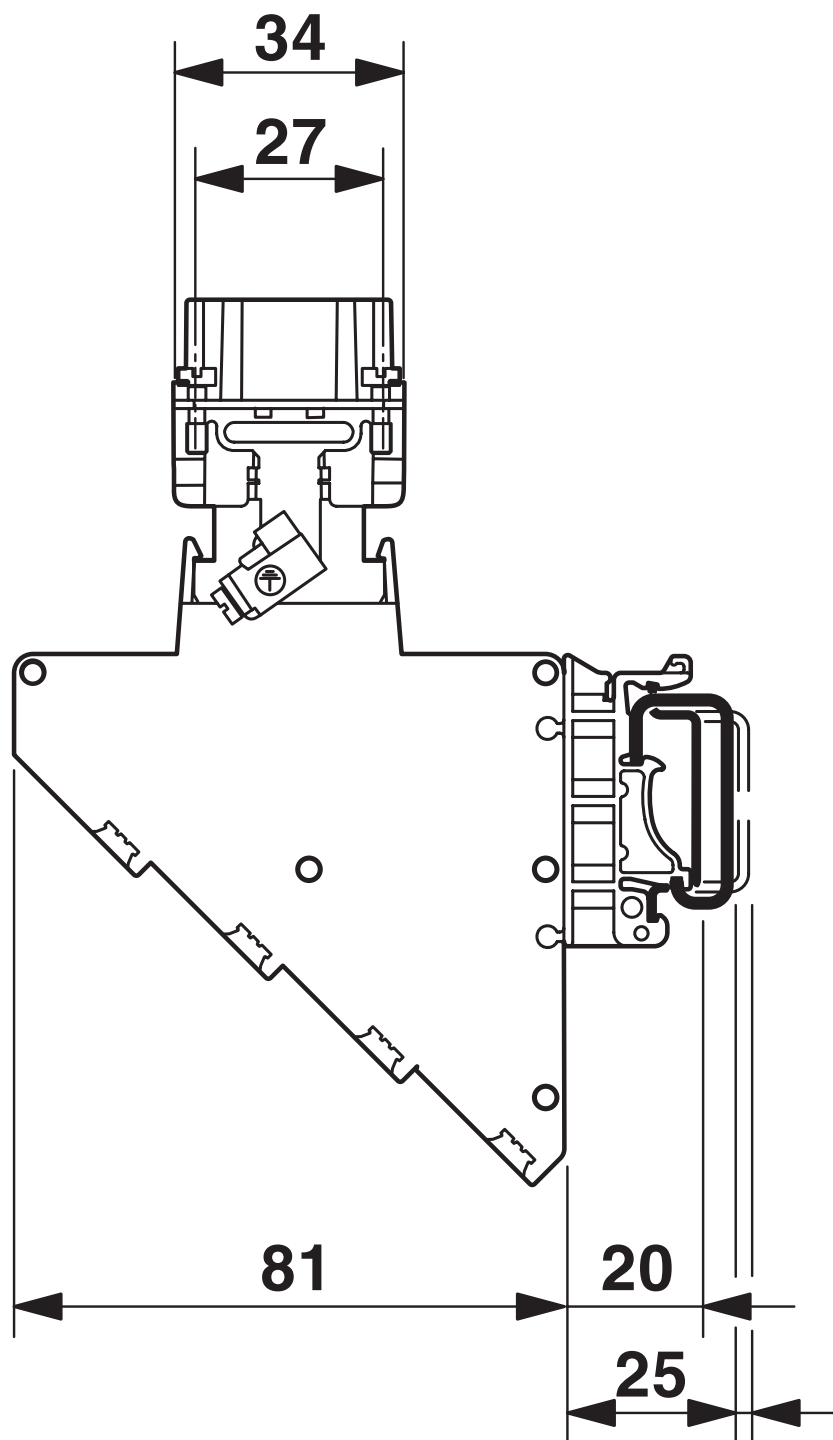
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Drawings

Dimensional drawing



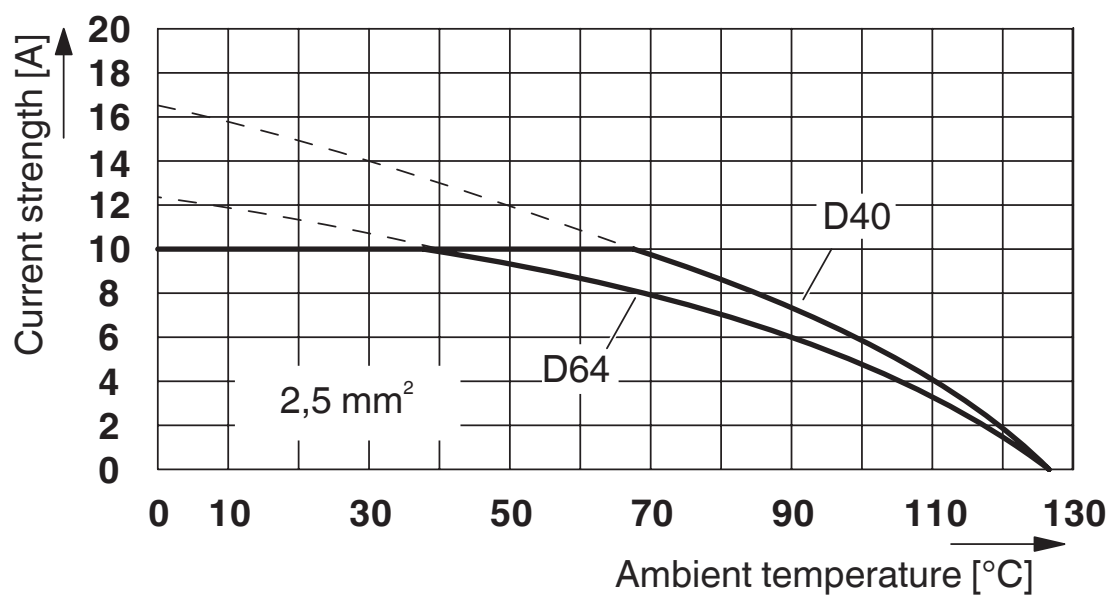
Dimensional drawing, side view

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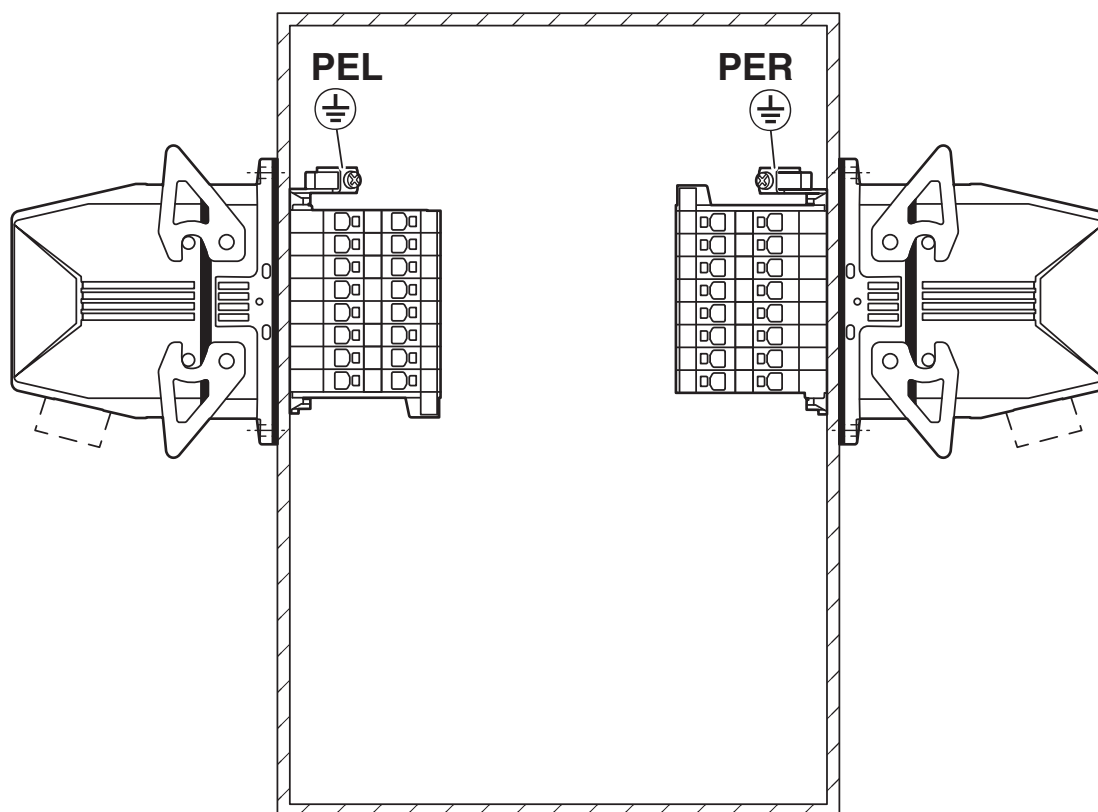
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Diagram



Derating diagram for 2.5 mm²

Application drawing



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

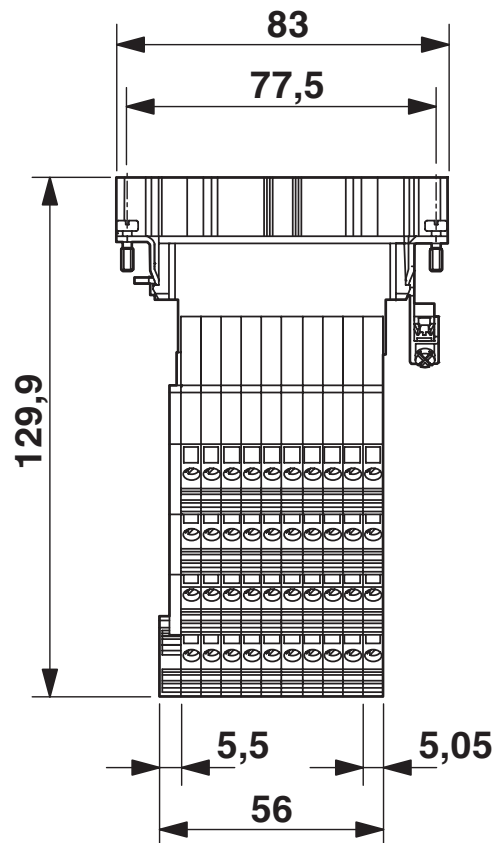
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Dimensional drawing



Dimensional drawing

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/no/products/1584240>

	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	-

	UL Recognized Approval ID: E468743			
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	600 V	7 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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