# HC-D 40-A-UT-PER-F - Terminal adapter

1584279

https://www.phoenixcontact.com/us/products/1584279

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

## Commercial data

| | |
|---|---|
| Item number | 1584279 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | BF61 |
| Product key | AF7ADE |
| GTIN | 4046356142342 |
| Weight per piece (including packing) | 355 g |
| Weight per piece (excluding packing) | 310.5 g |
| Customs tariff number | 85366990 |
| Country of origin | CN |

## 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 |
| 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

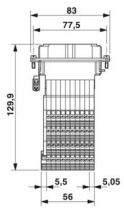
Connection technology

| | |
|---|---|
| Connection technology | Screw connection |
| Connection in acc. with standard | IEC / EN |

Conductor connection

| | |
|---|---|
| Conductor cross-section | 0.5 mm² ... 2.5 mm² |
| Connection cross section AWG | 22 ... 12 |
| Tightening torque | 0.5 Nm ... 0.8 Nm |
| Stripping length of the individual wire | 10 mm |

### Dimensions

| | |
|---|---|
| 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 |

## 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

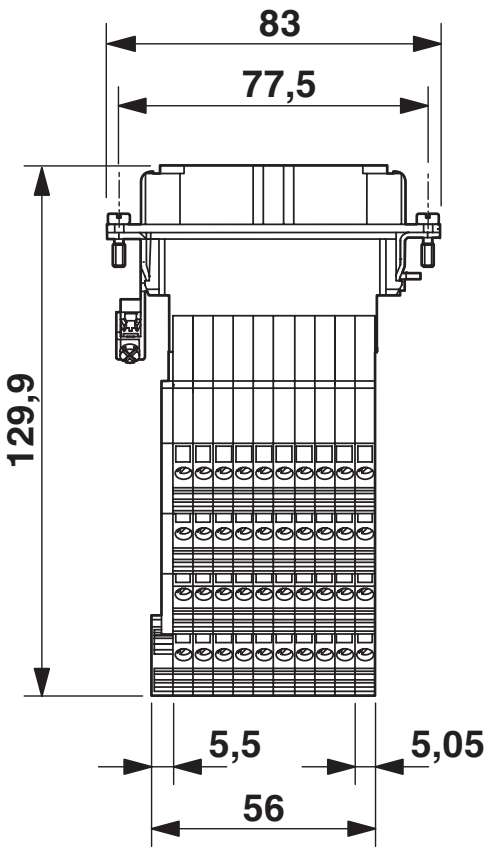
| | |
|---|---|
| Constructional and testing regulations | DIN EN 61984 |
| | DIN EN 60664 |
| | IEC 60352 |
| Tests | DIN EN 61984 |
| | DIN EN 60664 |
| | IEC 60352 |
| Standards/regulations | PA: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level 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 |
| | Connectors may be plugged in only when there is no load/voltage. Not for HC-B 16-AMQ-EMV housings |

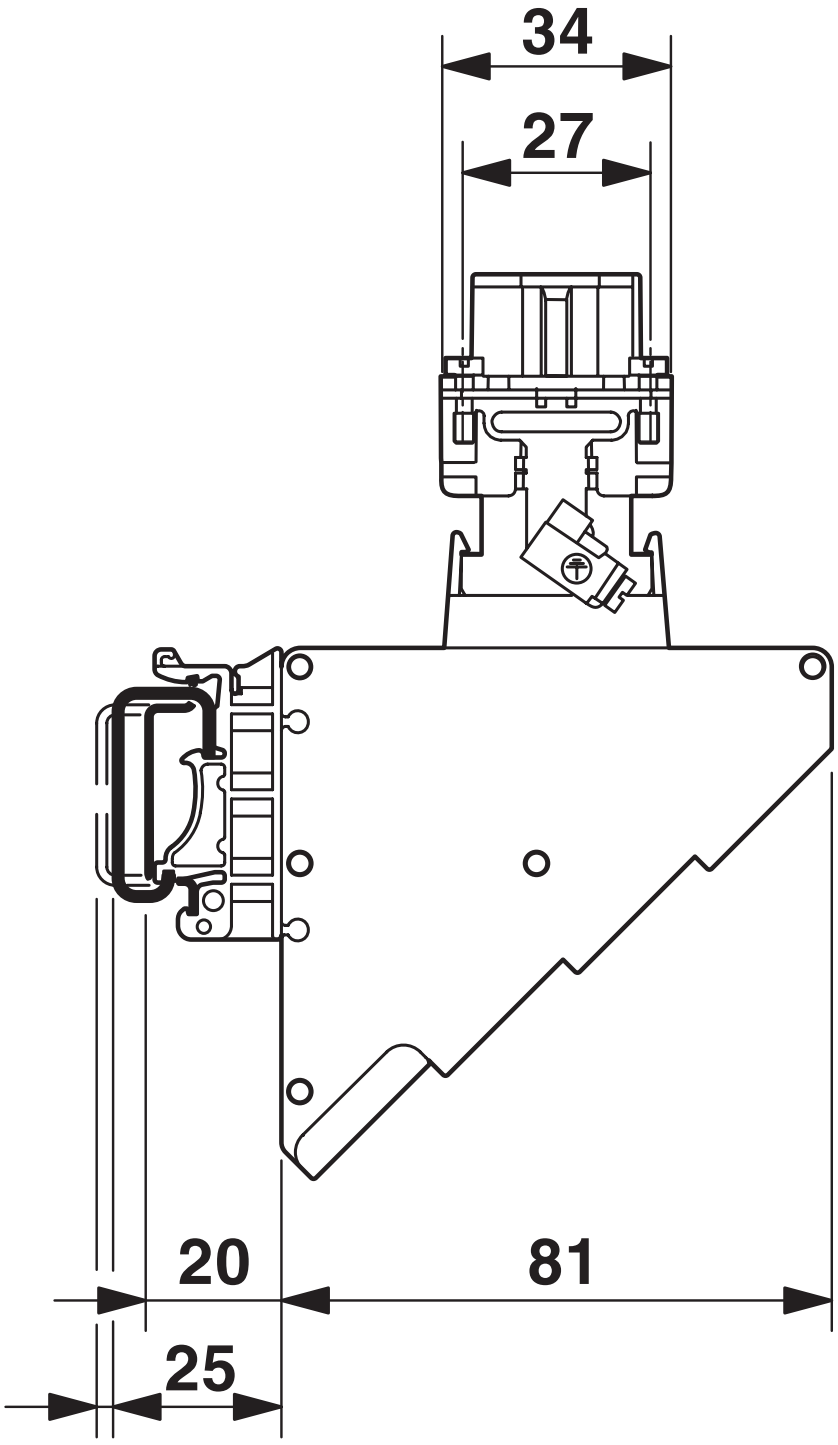
## Drawings

Dimensional drawing



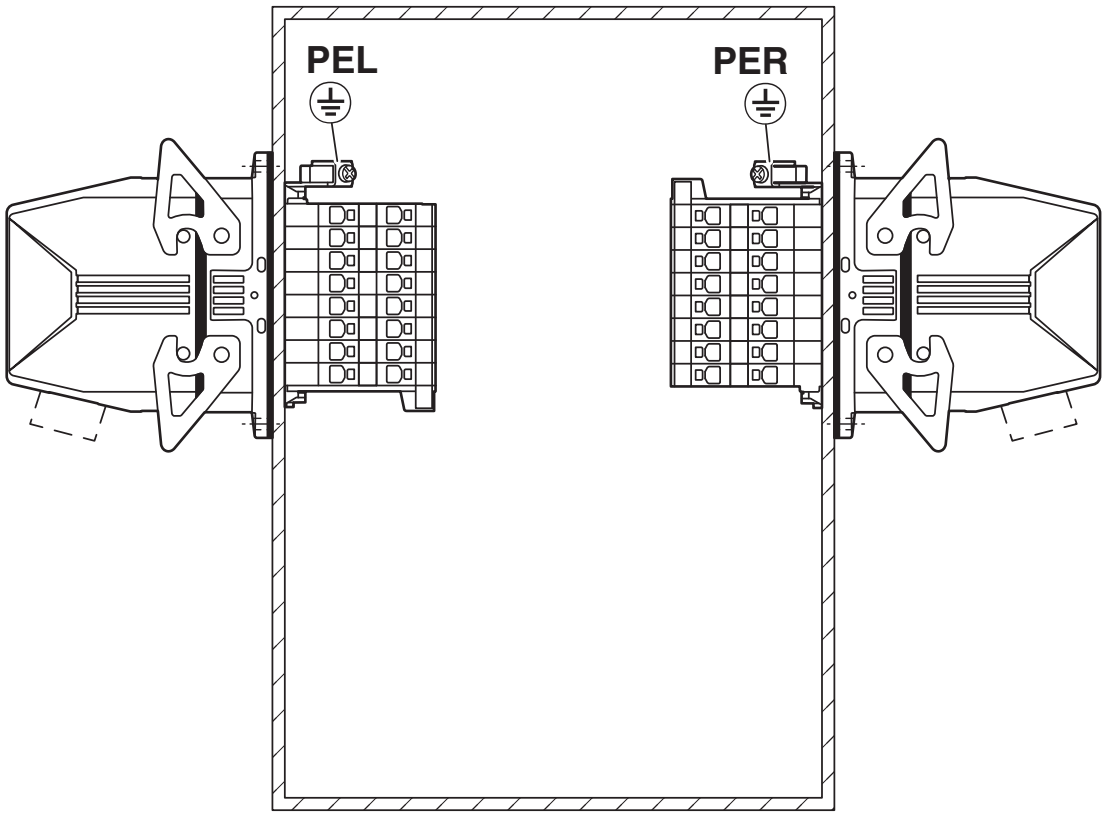

Dimensional drawing

Dimensional drawing



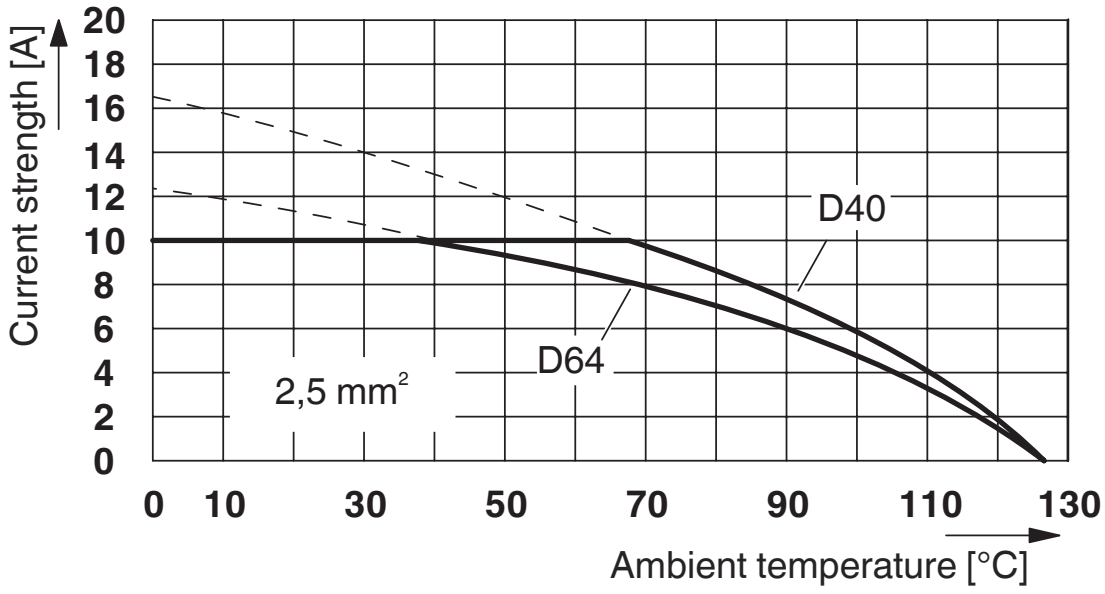

Dimensional drawing, side view

Application drawing




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

Diagram




Derating diagram for 2.5 mm²

## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1584279

**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 | 7 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, 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% |


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