

Panel feed-through terminal block - HDFKV 50-VP - 0708580

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Panel feed-through terminal block, Connection method: Screw connection, Bolt connection, Load current : 150 A, Cross section: 16 mm² - 50 mm², AWG 6 - 1/0, Connection direction of the conductor to plug-in direction: 90 °, Width: 18.8 mm, Color: gray

Product Features

- Easy grouping with engagement pin versions
- Both terminal halves can be easily assembled by simply snapping them together
- Touch-proof insulating housing in a new design
- Molded versions ensure maximum tightness of seal
- Automatic compensation of the panel thickness via the snap principle integrated in the insulation housing
- Universal screw connection with screw locking



Key Commercial Data

| | |
|--------------------------------------|---|
| Packing unit | 1 pc |
| Minimum order quantity | 10 pc |
| GTIN |  4 017918 004699 |
| Weight per Piece (excluding packing) | 99.4 g |
| Custom tariff number | 85369010 |
| Country of origin | Greece |

Technical data

General

| | |
|-----------------------|--------------------|
| Number of levels | 1 |
| Number of connections | 2 |
| Nominal cross section | 50 mm ² |
| Color | gray |
| Insulating material | PA |

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Technical data

General

| | |
|--|---------------|
| Flammability rating according to UL 94 | V0 |
| Maximum load current | 150 A |
| Rated surge voltage | 8 kV |
| Degree of pollution | 3 |
| Overvoltage category | III |
| Insulating material group | I |
| Connection in acc. with standard | IEC 60947-7-1 |
| Nominal current I_N | 150 A |
| Maximum load current | 150 A |
| Nominal voltage U_N | 690 V |
| Open side panel | No |
| Number of positions | 1 |

Dimensions

| | |
|-----------------|---------------|
| Width | 18.8 mm |
| Length | 90 mm |
| Plate thickness | 1 mm ... 6 mm |

Connection data

| | |
|--|--|
| Note | Terminal sleeve |
| Connection side | Level 1 ext. 1 |
| Connection method | Screw connection |
| Note | Note: Product releases, connection cross sections and notes on connecting aluminum cables can be found in the download area. |
| Conductor cross section solid min. | 16 mm ² |
| Conductor cross section solid max. | 50 mm ² |
| Conductor cross section flexible min. | 16 mm ² |
| Conductor cross section flexible max. | 50 mm ² |
| Conductor cross section AWG min. | 6 |
| Conductor cross section AWG max. | 1/0 |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 10 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 50 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 10 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 50 mm ² |
| 2 conductors with same cross section, solid min. | 6 mm ² |
| 2 conductors with same cross section, solid max. | 16 mm ² |
| 2 conductors with same cross section, stranded min. | 10 mm ² |
| 2 conductors with same cross section, stranded max. | 16 mm ² |

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Connection data

| | |
|---|--------------------|
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. | 6 mm ² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. | 16 mm ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 6 mm ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 10 mm ² |
| Stripping length | 24 mm |
| Internal cylindrical gage | B10 |
| Screw thread | M6 |
| Tightening torque, min | 6 Nm |
| Tightening torque max | 8 Nm |
| Connection side | Level 1 int. 1 |
| Connection method | Bolt connection |
| Screw thread | M8 |
| Tightening torque, min | 12 Nm |
| Tightening torque max | 15 Nm |

Standards and Regulations

| | |
|--|---------------|
| Connection in acc. with standard | CSA |
| | IEC 60947-7-1 |
| Flammability rating according to UL 94 | V0 |

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27141131 |
| eCl@ss 4.1 | 27141131 |
| eCl@ss 5.0 | 27141134 |
| eCl@ss 5.1 | 27141134 |
| eCl@ss 6.0 | 27141134 |
| eCl@ss 7.0 | 27141134 |
| eCl@ss 8.0 | 27141134 |
| eCl@ss 9.0 | 27141134 |

ETIM

| | |
|----------|----------|
| ETIM 2.0 | EC001283 |
| ETIM 3.0 | EC001283 |

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Classifications

ETIM

| | |
|----------|----------|
| ETIM 4.0 | EC001283 |
| ETIM 5.0 | EC001283 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 30211811 |
| UNSPSC 7.0901 | 39121410 |
| UNSPSC 11 | 39121410 |
| UNSPSC 12.01 | 39121410 |
| UNSPSC 13.2 | 39121410 |

Approvals

Approvals


Approvals


CSA / UL Recognized / KEMA-KEUR / PRS / IECCE CB Scheme / EAC / EAC

Ex Approvals

Approvals submitted

Approval details

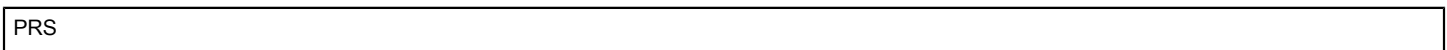
| | | |
|---|-------|-------|
| CSA  | | |
| | B | C |
| mm ² /AWG/kcmil | 6-1/0 | 6-1/0 |
| Nominal current I _N | 125 A | 125 A |
| Nominal voltage U _N | 600 V | 600 V |

| | | |
|---|-------|-------|
| UL Recognized  | | |
| | B | C |
| mm ² /AWG/kcmil | 6-2/0 | 6-2/0 |

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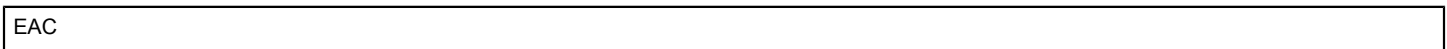
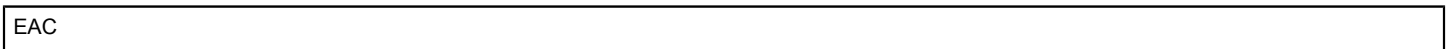
Approvals

| | B | C |
|--------------------------------|-------|-------|
| Nominal current I _N | 170 A | 170 A |
| Nominal voltage U _N | 600 V | 600 V |



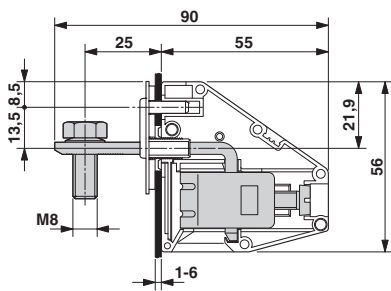
IECEE CB Scheme

| | |
|--------------------------------|-------|
| mm ² /AWG/kcmil | 50 |
| Nominal current I _N | 150 A |
| Nominal voltage U _N | 690 V |



Drawings

Dimensional drawing



Dimensional drawing

