

https://www.phoenixcontact.com/cn/products/0708946



Panel feed-through terminal block - HDFKV 10-VP - 0708946


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Panel feed-through terminal block, Connection method: Screw connection, Solder connection, Load current : 76 A, Cross section: 0.5 mm² - 16 mm², AWG 20 - 6, Connection direction of the conductor to plug-in direction: 90 °, Width: 10.1 mm, Color: gray



Key Commercial Data

| | |
|----------------------|---|
| Packing unit | 50 STK |
| GTIN |  4 017918 004804 |
| GTIN | 4017918004804 |
| Custom tariff number | 8536909000 |
| Sales Key | AABDDA |

Technical data

General

| | |
|--|--|
| Number of levels | 1 |
| Number of connections | 2 |
| Nominal cross section | 10 mm ² |
| Color | gray |
| Insulating material | PA |
| Flammability rating according to UL 94 | V2 |
| Maximum load current | 76 A |
| Rated surge voltage | 6 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 | 57 A |
| Maximum load current | 76 A |
| Nominal voltage U _N | 400 V (With metal panels of 1 mm ... 2.5 mm) |

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Technical data

General

| | |
|---------------------|--|
| | 250 V (With metal panels over 2.5 mm ... 4 mm) |
| | 500 V (With plastic panels of 1 mm ... 4 mm) |
| Open side panel | No |
| Number of positions | 1 |

Dimensions

| | |
|--------|---------|
| Width | 10.1 mm |
| Length | 49.8 mm |

Connection data

| | |
|---|---------------------|
| Connection side | Level 1 ext. 1 |
| Connection method | Screw connection |
| Conductor cross section solid min. | 0.5 mm ² |
| Conductor cross section solid max. | 16 mm ² |
| Conductor cross section flexible min. | 0.5 mm ² |
| Conductor cross section flexible max. | 10 mm ² |
| Conductor cross section AWG min. | 20 |
| Conductor cross section AWG max. | 6 |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.5 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 10 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.5 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 10 mm ² |
| 2 conductors with same cross section, solid min. | 0.5 mm ² |
| 2 conductors with same cross section, solid max. | 4 mm ² |
| 2 conductors with same cross section, stranded min. | 0.5 mm ² |
| 2 conductors with same cross section, stranded max. | 4 mm ² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. | 0.5 mm ² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. | 2.5 mm ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 6 mm ² |
| Cross section with insertion bridge, solid max. | 10 mm ² |
| Cross section with insertion bridge, stranded max. | 10 mm ² |
| Stripping length | 10 mm |
| Internal cylindrical gage | B6 |
| Screw thread | M4 |
| Tightening torque, min | 1.5 Nm |
| Tightening torque max | 1.8 Nm |
| Connection side | Inside |
| Connection method | Solder connection |



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Technical data

Standards and Regulations

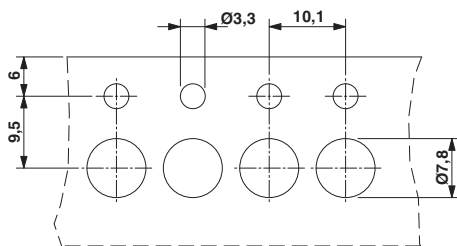
| | |
|--|---------------|
| Connection in acc. with standard | CSA |
| | IEC 60947-7-1 |
| Flammability rating according to UL 94 | V2 |

Environmental Product Compliance

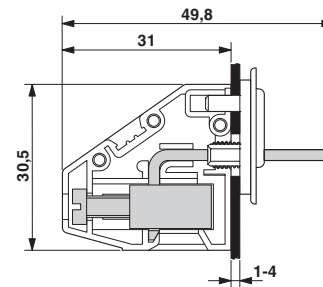
| | |
|------------|---|
| China RoHS | Environmentally Friendly Use Period = 50 |
| | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

Drawings

Dimensional drawing



Dimensional drawing



Panel feed-through

Side view

Approvals


Approvals

Approvals

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

Ex Approvals

Approval details


| | | | |
|--------------------------------|---|---|-------|
| CSA |  | http://www.csagroup.org/services/testing-and-certification/certified-product-listing/ | 13631 |
| mm ² /AWG/kcmil | | 22-6 | |
| Nominal current I _N | | 65 A | |
| Nominal voltage U _N | | 300 V | |

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Approvals

| | | | |
|----------------------------|---|---|------------|
| KEMA-KEUR |  | http://www.dekra-certification.com | 2169260.01 |
| mm ² /AWG/kcmil | | 10 | |
| Nominal current IN | | 57 A | |
| Nominal voltage UN | | 250 V | |

| | | | |
|-----|---|---|-------------------|
| PRS |  | http://www.prs.pl/ | TE/1825/880590/09 |
|-----|---|---|-------------------|

| | | | |
|----------------------------|---|---|----------|
| IECEE CB Scheme |  | http://www.iecee.org/ | NL-29947 |
| mm ² /AWG/kcmil | | 10 | |
| Nominal current IN | | 57 A | |
| Nominal voltage UN | | 250 V | |

| | | | |
|----------------------------|---|---|-----------------|
| cULus Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | E60425-19870911 |
| | B | D | |
| mm ² /AWG/kcmil | 24-6 | 24-6 | |
| Nominal current IN | 65 A | 10 A | |
| Nominal voltage UN | 300 V | 300 V | |

| | | |
|-----|---|---------|
| EAC |  | B.01742 |
|-----|---|---------|

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