

https://www.phoenixcontact.com/cn/products/0705017



Panel feed-through terminal block - HDFK 50/Z - 0705017

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

Why buy this product

- 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
- Automatic compensation of the panel thickness via the snap principle integrated in the insulation housing
- Universal screw connection with screw locking
- Spacer plates increase clearances and creepage distances



Key Commercial Data

| | |
|------------------------|---|
| Packing unit | 10 STK |
| Minimum order quantity | 10 STK |
| GTIN |  4 017918 372743 |
| GTIN | 4017918372743 |
| Custom tariff number | 8536909000 |
| Sales Key | AABHDA |

Technical data

General

| | |
|--|--------------------|
| Number of levels | 1 |
| Number of connections | 2 |
| Nominal cross section | 50 mm ² |
| Color | gray |
| Insulating material | PA |
| Flammability rating according to UL 94 | V0 |
| Rated surge voltage | 8 kV |

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Technical data

General

| | |
|----------------------------------|---------------|
| 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 | 68 mm |
| Plate thickness | 1 mm ... 6 mm |

Connection data

| | |
|---|--------------------|
| Note | Terminal sleeve |
| Connection side | Level 1 ext. 1 |
| Connection method | Screw connection |
| 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 |
| 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 |

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Technical data

Connection data

| | |
|------------------------|------|
| Screw thread | M6 |
| Tightening torque, min | 6 Nm |
| Tightening torque max | 8 Nm |

Standards and Regulations

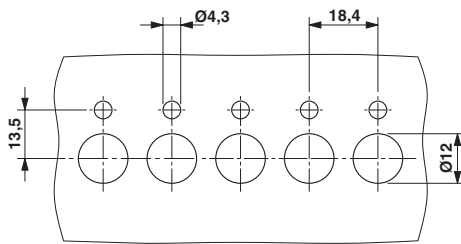
| | |
|--|---------------|
| Connection in acc. with standard | CSA |
| | IEC 60947-7-1 |
| Flammability rating according to UL 94 | V0 |

Environmental Product Compliance

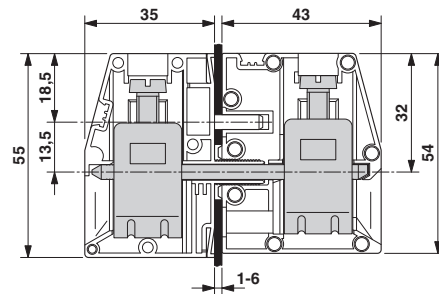
| | |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
| | No hazardous substances above threshold values |

Drawings

Dimensional drawing



Dimensional drawing



Approvals

Approvals

Approvals

CSA / UL Recognized / PRS / EAC

Ex Approvals

Approval details

| | | | |
|----------------------------|-------|---|-------|
| CSA | | http://www.csagroup.org/services/testing-and-certification/certified-product-listing/ | 13631 |
| | B | C | |
| mm ² /AWG/kcmil | 6-1/0 | 6-1/0 | |


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Approvals

| | B | C |
|--------------------|-------|-------|
| Nominal current IN | 125 A | 125 A |
| Nominal voltage UN | 600 V | 600 V |

| UL Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | E60425-19890329 |
|----------------------------|---|---|-----------------|
| | B | C | |
| mm ² /AWG/kcmil | 6-2/0 | 6-2/0 | |
| Nominal current IN | 170 A | 170 A | |
| Nominal voltage UN | 600 V | 600 V | |

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

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

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