

## 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 mm<sup>2</sup> - 50 mm<sup>2</sup>, AWG 6 - 1/0, Connection direction of the conductor to plug-in direction: 0 °, 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
- 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                         | 1 pc     |
| Minimum order quantity               | 10 pc    |
| Weight per Piece (excluding packing) | 125.09 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 <sup>2</sup> |
| Color                                   | gray               |
| Insulating material                     | PA                 |
| Inflammability class according to UL 94 | V0                 |
| Rated surge voltage                     | 8 kV               |
| Pollution degree                        | 3                  |

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## Technical data

### General

|                                  |               |
|----------------------------------|---------------|
| 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                  | nein          |
| 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 <sup>2</sup> |
| Conductor cross section solid max.  | 50 mm <sup>2</sup> |
| Conductor cross section flexible min.   | 16 mm <sup>2</sup> |
| Conductor cross section flexible max.   | 50 mm <sup>2</sup> |
| 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 <sup>2</sup> |
| Conductor cross section flexible, with ferrule without plastic sleeve max.              | 50 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule with plastic sleeve min.                 | 10 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule with plastic sleeve max.                 | 50 mm <sup>2</sup> |
| 2 conductors with same cross section, solid min.  | 6 mm <sup>2</sup>  |
| 2 conductors with same cross section, solid max.  | 16 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded min.                                     | 10 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded max.                                     | 16 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.   | 6 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.   | 16 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 6 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 10 mm <sup>2</sup> |

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## Technical data

### Connection data

|                           |       |
|---------------------------|-------|
| Stripping length          | 24 mm |
| Internal cylindrical gage | B10   |
| Screw thread              | M6    |
| Tightening torque, min    | 6 Nm  |
| Tightening torque max     | 8 Nm  |

## 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 |

### ETIM

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

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Approvals

CSA / UL Recognized / PRS

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## Approvals

Ex Approvals

Approvals submitted

## Approval details

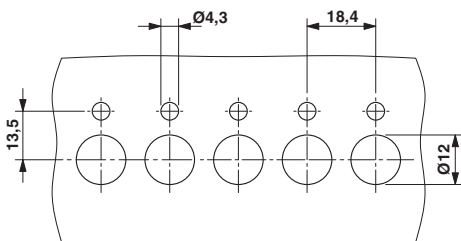
|                                |       |       |
|--------------------------------|-------|-------|
| CSA                            |       |       |
|                                | B     | C     |
| mm <sup>2</sup> /AWG/kcmil     | 6-1/0 | 6-1/0 |
| Nominal current I <sub>N</sub> | 125 A | 125 A |
| Nominal voltage U <sub>N</sub> | 600 V | 600 V |

|                                |       |       |
|--------------------------------|-------|-------|
| UL Recognized                  |       |       |
|                                | B     | C     |
| mm <sup>2</sup> /AWG/kcmil     | 6-2/0 | 6-2/0 |
| Nominal current I <sub>N</sub> | 170 A | 170 A |
| Nominal voltage U <sub>N</sub> | 600 V | 600 V |

|     |
|-----|
| PRS |
|-----|

## Drawings

Dimensional drawing



Dimensional drawing

