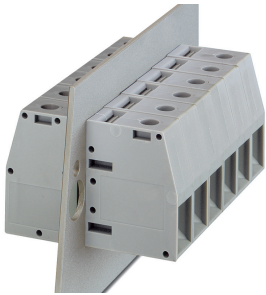


Panel feed-through terminal block - HDFK 50-DP - 0708713

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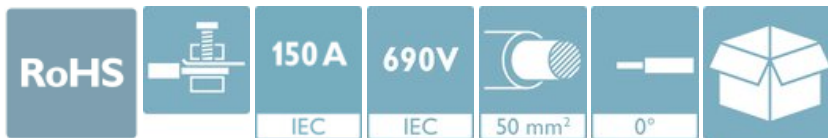


Panel feed-through terminal block, connection method: Screw connection with tension sleeve, Screw connection with tension sleeve, number of positions: 1, load current: 150 A, cross section: 16 mm² - 50 mm², connection direction of the conductor to plug-in direction: 0 °, width: 18.8 mm, color: gray


The figure shows version HDFK 50

Your advantages

- ✓ Well-known connection principle allows worldwide use
- ✓ Low temperature rise, thanks to maximum contact force
- ✓ Tool-free snap-in principle enables easy mounting on the device panel
- ✓ Automatic panel thickness compensation enables universal use



Key Commercial Data

| | |
|--------------------------------------|---|
| Packing unit | 1 pc |
| Minimum order quantity | 10 pc |
| GTIN |  4 017918 004736 |
| GTIN | 4017918004736 |
| Weight per Piece (excluding packing) | 125.990 g |
| Custom tariff number | 85369010 |
| Country of origin | Greece |

Technical data

Item properties

| | |
|---------------------------|-----------------------------------|
| Brief article description | Panel feed-through terminal block |
| Range of articles | HDFK 50 |
| Pitch | 18.8 mm |
| Number of positions | 1 |

Panel feed-through terminal block - HDFK 50-DP - 0708713

Technical data

Item properties

| | |
|-----------------------|---|
| Number of connections | 2 |
|-----------------------|---|

Electrical parameters

| | |
|-----------------------------|---|
| Nominal current | 150 A |
| Nom. voltage | 690 V |
| Maximum load current | 150 A (with 50 mm ² conductor cross section) |
| Rated voltage (III/3) | 690 V |
| Rated surge voltage (III/3) | 8 kV |

Connection capacity, external

| | |
|---|---|
| Connection method | Screw connection with tension sleeve |
| Connection direction of the conductor to plug-in direction | 0 ° |
| Conductor cross section solid | 16 mm ² ... 50 mm ² |
| Conductor cross section flexible | 16 mm ² ... 50 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve | 10 mm ² ... 50 mm ² |
| Conductor cross section, flexible, with ferrule, with plastic sleeve | 10 mm ² ... 50 mm ² |
| 2 conductors with same cross section, solid | 6 mm ² ... 16 mm ² |
| 2 conductors with same cross section, flexible | 10 mm ² ... 16 mm ² |
| 2 conductors with same cross section, flexible, with ferrule without plastic sleeve | 6 mm ² ... 16 mm ² |
| 2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve | 6 mm ² ... 10 mm ² |
| Internal cylindrical gage | B10 |
| Stripping length | 24 mm |
| Torque | 6 Nm ... 8 Nm |

Connection capacity, internal

| | |
|---|---|
| Connection method | Screw connection with tension sleeve |
| Connection direction of the conductor to plug-in direction | 0 ° |
| Conductor cross section solid | 16 mm ² ... 50 mm ² |
| Conductor cross section flexible | 16 mm ² ... 50 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve | 10 mm ² ... 50 mm ² |
| Conductor cross section, flexible, with ferrule, with plastic sleeve | 10 mm ² ... 50 mm ² |
| 2 conductors with same cross section, solid | 6 mm ² ... 16 mm ² |
| 2 conductors with same cross section, flexible | 10 mm ² ... 16 mm ² |
| 2 conductors with same cross section, flexible, with ferrule without plastic sleeve | 6 mm ² ... 16 mm ² |
| 2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve | 6 mm ² ... 10 mm ² |
| Internal cylindrical gage | B10 |

Panel feed-through terminal block - HDFK 50-DP - 0708713

Technical data

Connection capacity, internal

| | |
|------------------|---------------|
| Stripping length | 24 mm |
| Torque | 6 Nm ... 8 Nm |

Material data - contact

| | |
|-------------------------|---|
| Note | WEEE/RoHS-compliant, free of whiskers according to IEC 60068-2-82/ JEDEC JESD 201 |
| Contact material | Cu alloy |
| Surface characteristics | tin-plated |

Material data - housing

| | |
|---|-------------|
| Housing color | gray (7042) |
| Insulating material | PA |
| Insulating material group | I |
| CTI according to IEC 60112 | 600 |
| Flammability rating according to UL 94 | V0 |
| Glow wire flammability index GWFI according to EN 60695-2-12 | 850 |
| Glow wire ignition temperature GWIT according to EN 60695-2-13 | 775 |
| Temperature for the ball pressure test according to EN 60695-10-2 | 125 °C |

Dimensions for the product

| | |
|-------------|--|
| Caption | Schematische Abbildung - weitere Details siehe Produktfamilienzeichnung im Download Center |
| Width [w] | 18.8 mm |
| Pitch | 18.8 mm |

Dimensions for mounting cutout

| | |
|-----------------|-----------------|
| Plate thickness | 5 mm ... 9.5 mm |
|-----------------|-----------------|

Packaging information

| | |
|----------------------------|---------------------|
| Type of packaging | packed in cardboard |
| Pieces per package | 10 |
| Denomination packing units | Pcs. |

Electrical tests

| | |
|-------------------------|--------------------|
| Rated current | 150 A |
| Conductor cross section | 50 mm ² |

Air clearances and creepage distances

| | |
|---|--|
| Clearances and creepage distances | Metal wall 1.0 mm ... 6.0 mm IEC 60947-7-1:2002-07 |
| Application | Metal wall 1.0 mm ... 6.0 mm |
| Specification | IEC 60947-7-1:2002-07 |
| Minimum clearance - inhomogeneous field (III/3) | 8 mm |

Panel feed-through terminal block - HDFK 50-DP - 0708713

Technical data

Air clearances and creepage distances

| | |
|---|------|
| Minimum creepage distance value (III/3) | 8 mm |
|---|------|

Standards and Regulations

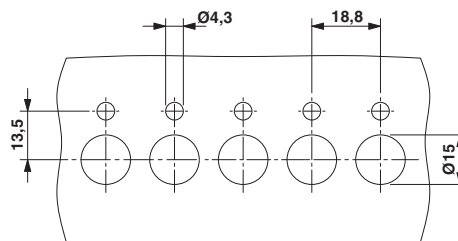
| | |
|--|--|
| Connection in acc. with standard | CSA |
| | IEC 60947-7-1 |
| Flammability rating according to UL 94 | V2 |
| Safety note | <ul style="list-style-type: none"> • Only electrically qualified personnel may install and operate the product. To recognize and prevent danger, the qualified personnel must be familiar with the basics of electrical engineering. • Observe the technical data provided here and refer to the documents listed under "Downloads". The download area contains important information, such as installation notes, technical drawings, and 3D data. • The cable entry funnel is not safe to touch. Never connect or disconnect the terminal when it is energized. Take appropriate steps to ensure touch protection. # There is no electrical contact to the housing. Make sure that protective grounding is provided for green/yellow color variants and articles marked with PE. |

Environmental Product Compliance

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

Drawings

Dimensional drawing



Classifications

eCl@ss

| | |
|---------------|----------|
| eCl@ss 10.0.1 | 27141134 |
| eCl@ss 11.0 | 27141134 |
| eCl@ss 4.0 | 27141100 |
| eCl@ss 4.1 | 27141100 |
| eCl@ss 5.0 | 27141100 |

Panel feed-through terminal block - HDFK 50-DP - 0708713

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 5.1 | 27141100 |
| eCl@ss 6.0 | 27141100 |
| eCl@ss 7.0 | 27141134 |
| eCl@ss 9.0 | 27141134 |

ETIM

| | |
|----------|----------|
| ETIM 2.0 | EC001283 |
| ETIM 3.0 | EC001283 |
| ETIM 4.0 | EC001283 |
| ETIM 6.0 | EC001283 |
| ETIM 7.0 | EC001283 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 30211811 |
| UNSPSC 7.0901 | 39121410 |
| UNSPSC 11 | 39121410 |
| UNSPSC 12.01 | 39121410 |
| UNSPSC 13.2 | 39121410 |
| UNSPSC 18.0 | 39121410 |
| UNSPSC 19.0 | 39121410 |
| UNSPSC 20.0 | 39121410 |
| UNSPSC 21.0 | 39121410 |

Approvals

Approvals

Approvals


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


Ex Approvals


Approval details


Panel feed-through terminal block - HDFK 50-DP - 0708713

Approvals

| | | | |
|----------------------------|---|---|-------|
| CSA |  | http://www.csagroup.org/services-industries/product-listing/ | 13631 |
| | B | C | |
| Nominal voltage UN | 600 V | 600 V | |
| Nominal current IN | 125 A | 125 A | |
| mm ² /AWG/kcmil | 6 | 6 | |

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

| | | | |
|----------------------------|---|---|------------------|
| KEMA-KEUR |  | http://www.dekra-certification.com | KEMA jetzt DEKRA |
| Nominal voltage UN | 690 V | | |
| Nominal current IN | 150 A | | |
| mm ² /AWG/kcmil | 50 | | |

| | | | |
|----------------------------|---|---|----------|
| IECEE CB Scheme |  | http://www.iecee.org/ | NL-29947 |
| Nominal voltage UN | 690 V | | |
| Nominal current IN | 150 A | | |
| mm ² /AWG/kcmil | 50 | | |

| | | |
|-----|---|---------|
| EAC |  | B.01687 |
|-----|---|---------|

Accessories

Accessories

Panel feed-through terminal block - HDFK 50-DP - 0708713

Accessories

Labeled terminal marker

Marker for terminal blocks - UC-TM 16 CUS - 0824621



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 16 mm, lettering field size: 15.45 x 10.5 mm, Number of individual labels: 32

Zack Marker strip, flat - ZBF 16 CUS - 0827465



Zack Marker strip, flat, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 16 mm, lettering field size: 5.15 x 16 mm, Number of individual labels: 5

Mounting material

Insertion profile - UKH 50 EP - 3009228



Insertion profile, color: silver

Screwdriver tools

Screwdriver - SZS 1,2X8,0 VDE - 1205082



Screwdriver, slot-headed, VDE insulated, size: 1.2 x 8.0 x 175 mm, 2-component grip, with non-slip grip

Terminal marking

Panel feed-through terminal block - HDFK 50-DP - 0708713

Accessories

Marker for terminal blocks - UC-TM 16 - 0819217



Marker for terminal blocks. Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into tall marker groove, for terminal block width: 16 mm, lettering field size: 15.45 x 10.5 mm, Number of individual labels: 32

Zack marker strip - ZB 16:UNPRINTED - 0827461



Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into tall marker groove, for terminal block width: 16 mm, lettering field size: 16 x 10.5 mm, Number of individual labels: 50