

## Panel feed-through terminal block - HDFKV 50 - 0708522

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The figure shows a 7-position version

Panel feed-through terminal block, connection method: Screw connection, number of positions: 1, 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: 90 °, 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
- ✓ Universal screw connection with screw locking
- ✓ Automatic compensation of the panel thickness via the snap principle integrated in the insulation housing
- ✓ Spacer plates increase clearances and creepage distances



### Key Commercial Data

Packing unit	10 STK
Minimum order quantity	10 STK
GTIN	 4 017918 004651
GTIN	4017918004651
Weight per Piece (excluding packing)	132.410 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

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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
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 <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>

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## Technical data

### Connection data

2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	10 mm²
Stripping length	24 mm
Internal cylindrical gage	B10
Screw thread	M6
Tightening torque, min	6 Nm
Tightening torque max	8 Nm

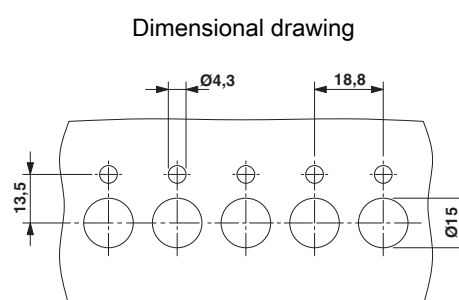
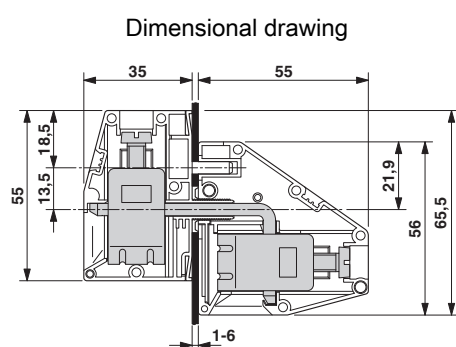
### Standards and Regulations

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



## 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
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### Classifications

#### ETIM

ETIM 3.0	EC001283
ETIM 4.0	EC001283
ETIM 5.0	EC001283
ETIM 6.0	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 / IECCEB Scheme / EAC

#### Ex Approvals

#### Approval details

CSA		13631
	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				<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	E60425-19890329
	B	C			
mm²/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			

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### Approvals

IECEE CB Scheme	<b>CB</b> scheme	<a href="http://www.iecee.org/">http://www.iecee.org/</a>	NL-29947
mm²/AWG/kcmil	50		
Nominal current I <sub>N</sub>	150 A		
Nominal voltage U <sub>N</sub>	690 V		

EAC	<b>EAC</b>	B.01742
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### Accessories

#### 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: 15.45 x 10.5 mm

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: 5.15 x 16 mm

### Mounting material

Insertion profile - UKH 50 EP - 3009228



Insertion profile, color: silver

### Screwdriver tools

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### Accessories

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

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### Terminal marking

Marker for terminal blocks - UC-TM 16 - 0819217



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK CLED, BLUEMARK LED, CMS-P1-PLOTTER, PLOTMARK, Mounting type: snap into tall marker groove, for terminal block width: 16 mm, Lettering field: 15.45 x 10.5 mm

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Zack marker strip - ZB 16:UNPRINTED - 0827461



Zack marker strip, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, Mounting type: snap into tall marker groove, for terminal block width: 16 mm, Lettering field: 16 x 10.5 mm

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Zack marker strip - ZB 12:UNPRINTED - 0812120



Zack marker strip, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, Mounting type: snap into tall marker groove, for terminal block width: 12.2 mm, Lettering field: 12 x 10.5 mm