

<https://www.phoenixcontact.com/gb/products/0708739>

## Panel feed-through terminal block - HDFK 50 - 0708739

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The figure shows a 6-position version


Panel feed-through terminal block, connection method: Screw connection, 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: 0 °, width: 18.8 mm, color: gray

### Your advantages

- ✓ 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
- ✓ Spacer plates increase clearances and creepage distances
- ✓ Automatic compensation of the panel thickness via the snap principle integrated in the insulation housing
- ✓ 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	10 pc
Minimum order quantity	10 pc
GTIN	 4 017918 004750
GTIN	4017918004750
Weight per Piece (excluding packing)	126.380 g
Custom tariff number	85369010
Country of origin	Greece

### Technical data

#### General

Number of levels	1
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## Panel feed-through terminal block - HDFK 50 - 0708739

### Technical data

#### General

Number of connections	2
Nominal cross section	50 mm <sup>2</sup>
Color	gray
Insulating material	PA
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 <sub>N</sub>	150 A
Maximum load current	150 A
Nominal voltage U <sub>N</sub>	690 V
Open side panel	No
Number of positions	1

#### Dimensions

Width	18.8 mm
Pitch	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>

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### Technical data

#### Connection data

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>
Stripping length	24 mm
Internal cylindrical gage	B10
Screw thread	M6
Tightening torque, min	6 Nm
Tightening torque max	8 Nm
Connection side	inside
Connection method	Screw connection

#### Standards and Regulations

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

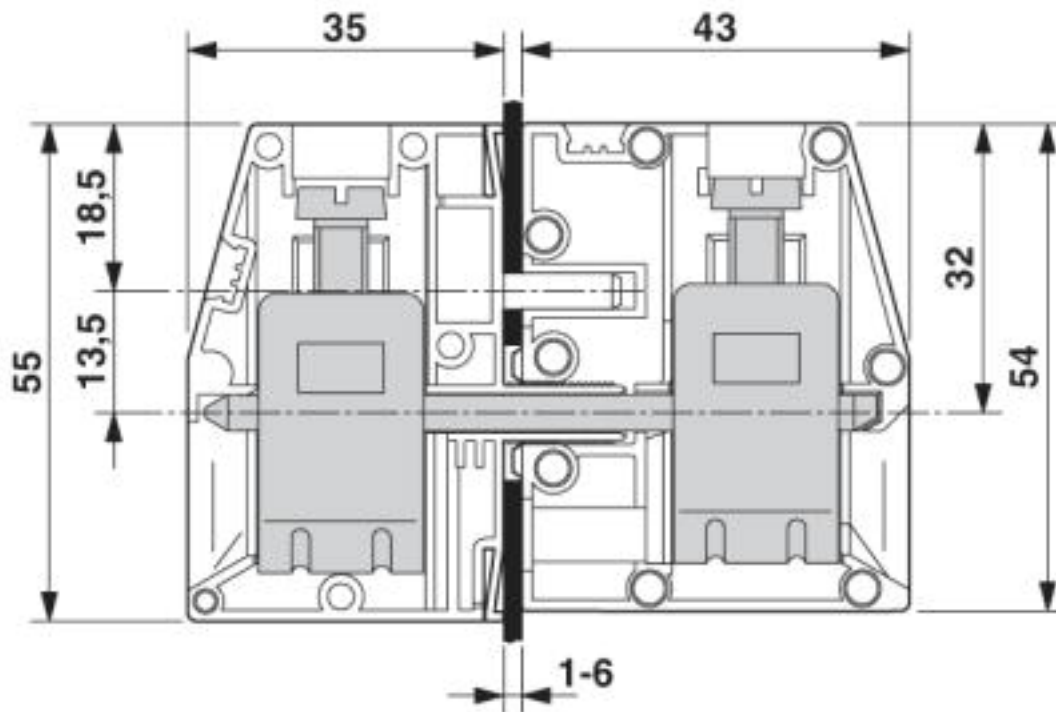
#### Environmental Product Compliance

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

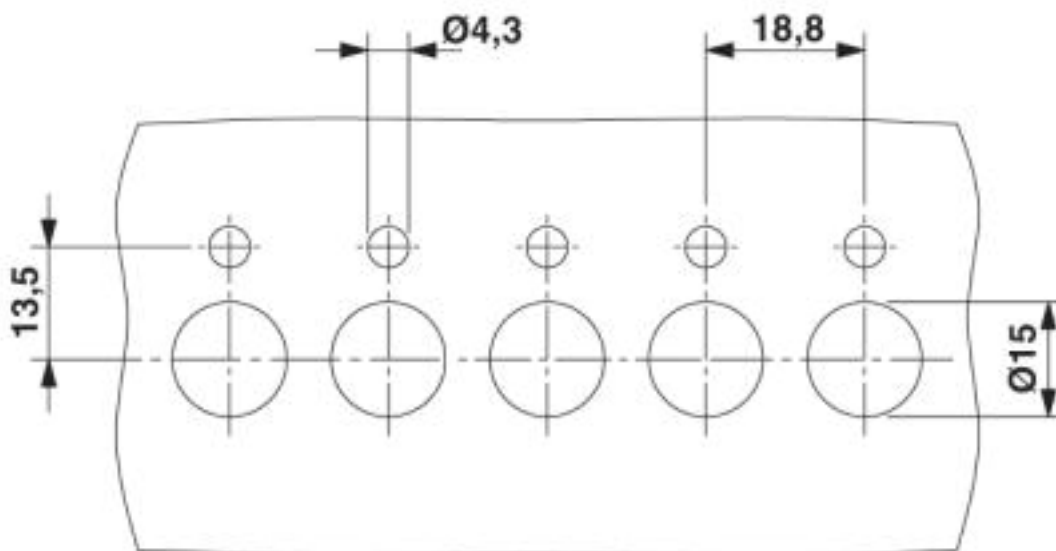
### Drawings

# Panel feed-through terminal block - HDFK 50 - 0708739

Dimensional drawing



Dimensional drawing



## Classifications

eCl@ss

eCl@ss 4.0	27141100
eCl@ss 4.1	27141100

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### Classifications

#### eCl@ss

eCl@ss 5.0	27141100
eCl@ss 5.1	27141100
eCl@ss 6.0	27141100
eCl@ss 7.0	27141134
eCl@ss 8.0	27141134
eCl@ss 9.0	27141134

#### ETIM

ETIM 2.0	EC001283
ETIM 3.0	EC001283
ETIM 4.0	EC001283
ETIM 5.0	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

### Approvals


#### Approvals

#### Approvals

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

#### Ex Approvals

#### Approval details


CSA		<a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a>	13631
	B	C	
Nominal voltage UN	600 V	600 V	
Nominal current IN	125 A	125 A	
mm <sup>2</sup> /AWG/kcmil	6	6	


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### Approvals

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	
Nominal voltage UN	600 V	600 V	
Nominal current IN	170 A	170 A	
mm <sup>2</sup> /AWG/kcmil	6	6	

KEMA-KEUR		<a href="http://www.dekra-certification.com">http://www.dekra-certification.com</a>	KEMA jetzt DEKRA
Nominal voltage UN	690 V		
Nominal current IN	150 A		
mm <sup>2</sup> /AWG/kcmil	50		

IECEE CB Scheme		<a href="http://www.iecee.org/">http://www.iecee.org/</a>	NL-29947
Nominal voltage UN	690 V		
Nominal current IN	150 A		
mm <sup>2</sup> /AWG/kcmil	50		

EAC		B.01742
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