

## Panel feed-through terminal block - HDFKV 16 - 3001734

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Panel feed-through terminal block, connection method: Screw connection, number of positions: 1, load current: 101 A, cross section: 0.5 mm<sup>2</sup> - 25 mm<sup>2</sup>, AWG 20 - 4, connection direction of the conductor to plug-in direction: 90 °, width: 12.1 mm, color: gray



### Key Commercial Data

Packing unit	1 STK
GTIN	 4 017918 117559
GTIN	4017918117559
Weight per Piece (excluding packing)	41.760 g
Custom tariff number	85369010
Country of origin	Greece

### Technical data

#### General

Number of levels	1
Number of connections	2
Nominal cross section	16 mm <sup>2</sup>
Color	gray
Insulating material	PA
Flammability rating according to UL 94	V0
Maximum load current	101 A (with 25 mm <sup>2</sup> conductor cross section)
Rated surge voltage	6 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	I

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## Technical data

### General

Connection in acc. with standard	IEC 60947-7-1
Nominal current $I_N$	76 A
Maximum load current	101 A (with 25 mm <sup>2</sup> conductor cross section)
Nominal voltage $U_N$	500 V
Open side panel	No
Number of positions	1

### Dimensions

Width	12.1 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.	0.5 mm <sup>2</sup>
Conductor cross section solid max.	25 mm <sup>2</sup>
Conductor cross section flexible min.	0.5 mm <sup>2</sup>
Conductor cross section flexible max.	16 mm <sup>2</sup>
Conductor cross section AWG min.	20
Conductor cross section AWG max.	4
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	16 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	16 mm <sup>2</sup>
2 conductors with same cross section, solid min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, solid max.	6 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	6 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	6 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	6 mm <sup>2</sup>
Stripping length	16 mm
Internal cylindrical gage	B7
Screw thread	M5

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## Technical data

### Connection data

Tightening torque, min	2 Nm
Tightening torque max	2.3 Nm

### Standards and Regulations

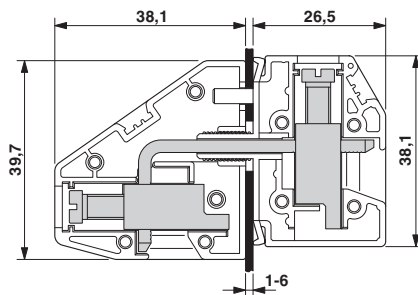
Connection in acc. with standard	CUL
	IEC 60947-7-1
Flammability rating according to UL 94	V0

### Environmental Product Compliance

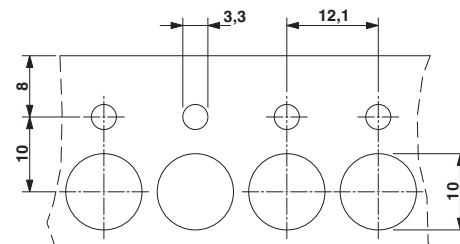
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Drawings

Dimensional drawing



Dimensional drawing



## 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
ETIM 3.0	EC001283

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### Classifications

#### ETIM

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

KEMA-KEUR / IECCE CB Scheme / EAC / cULus Recognized

#### Ex Approvals

#### Approval details

KEMA-KEUR		<a href="http://www.dekra-certification.com">http://www.dekra-certification.com</a>	2169260.01
mm <sup>2</sup> /AWG/kcmil	16		
Nominal current I <sub>N</sub>	76 A		
Nominal voltage U <sub>N</sub>	500 V		

IECEE CB Scheme		<a href="http://www.iecee.org/">http://www.iecee.org/</a>	NL-29947
mm <sup>2</sup> /AWG/kcmil	16		
Nominal current I <sub>N</sub>	76 A		
Nominal voltage U <sub>N</sub>	500 V		

## Panel feed-through terminal block - HDFKV 16 - 3001734

### Approvals

EAC	<b>EAC</b>	EAC-Zulassung
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cULus Recognized	<b>cULus</b>	<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>	E60425-19870911
	B	C	D
mm²/AWG/kcmil	20-4	20-4	20-4
Nominal current I <sub>N</sub>	85 A	85 A	10 A
Nominal voltage U <sub>N</sub>	300 V	150 V	300 V

### Accessories

#### Accessories

#### Screwdriver tools

Screwdriver - SZS 1,0X4,0 VDE - 1205066



Screwdriver, slot-headed, VDE insulated, size: 1.0 x 4.0 x 100 mm, 2-component grip, with non-slip grip