

PE panel panel feed-through terminal block - HDFK 25-PE - 0707785

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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: 101 A, cross section: 6 mm² - 35 mm², connection direction of the conductor to plug-in direction: 0 °, width: 15.1 mm, color: green-yellow

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
- PE terminal block with grounding function based on IEC 60947-7-2



Key Commercial Data

Packing unit	50 pc
Minimum order quantity	50 pc
GTIN	 4 017918 004231
GTIN	4017918004231

Technical data

Item properties

Brief article description	PE panel panel feed-through terminal block
Range of articles	HDFK 25
Pitch	15.1 mm
Number of positions	1
Connection method	Screw connection with tension sleeve
Number of connections	2

Electrical parameters

Nominal current	101 A
Nom. voltage	500 V
Rated voltage	500 V

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Electrical parameters

Rated surge voltage (III/3)	6 kV
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Connection capacity, external

Connection method	Screw connection with tension sleeve
Connection direction of the conductor to plug-in direction	0 °
Conductor cross section solid	6 mm ² ... 35 mm ²
Conductor cross section flexible	10 mm ² ... 25 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve	4 mm ² ... 25 mm ²
Conductor cross section, flexible, with ferrule, with plastic sleeve	4 mm ² ... 25 mm ²
2 conductors with same cross section, solid	2.5 mm ² ... 10 mm ²
2 conductors with same cross section, flexible	4 mm ² ... 10 mm ²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	2.5 mm ² ... 10 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	2.5 mm ² ... 10 mm ²
Internal cylindrical gage	B8
Stripping length	19 mm
Torque	4 Nm ... 4.5 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	6 mm ² ... 35 mm ²
Conductor cross section flexible	10 mm ² ... 25 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve	4 mm ² ... 25 mm ²
Conductor cross section, flexible, with ferrule, with plastic sleeve	4 mm ² ... 25 mm ²
2 conductors with same cross section, solid	2.5 mm ² ... 10 mm ²
2 conductors with same cross section, flexible	4 mm ² ... 10 mm ²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	2.5 mm ² ... 10 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	2.5 mm ² ... 10 mm ²
Internal cylindrical gage	B8
Stripping length	19 mm
Torque	4 Nm ... 4.5 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	green-yellow (6021 / 1018)
Insulating material	PA

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Technical data

Material data - housing

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

Width [w]	15.1 mm
Height [h]	48.5 mm
Pitch	15.1 mm

Packaging information

Pieces per package	50
Denomination packing units	Pcs.

Electrical tests

Rated current	101 A
Conductor cross section	25 mm²

Air clearances and creepage distances

Minimum clearance - inhomogeneous field (III/3)	5.5 mm
Minimum creepage distance value (III/3)	6.3 mm

Standards and Regulations

Connection in acc. with standard	CSA
	IEC 60947-7-2
	IEC / EN
Flammability rating according to UL 94	V0
Safety note	<ul style="list-style-type: none"> • WARNING: Only electrically qualified personnel may install and operate the product. They must observe the following safety notes. The qualified personnel must be familiar with the basics of electrical engineering. They must be able to recognize and prevent danger. The relevant symbol on the packaging indicates that only personnel familiar with electrical engineering are allowed to install and operate the product. • The installation notes/Design In documents online on the download page at phoenixcontact.com/products must be observed for this product. • 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.

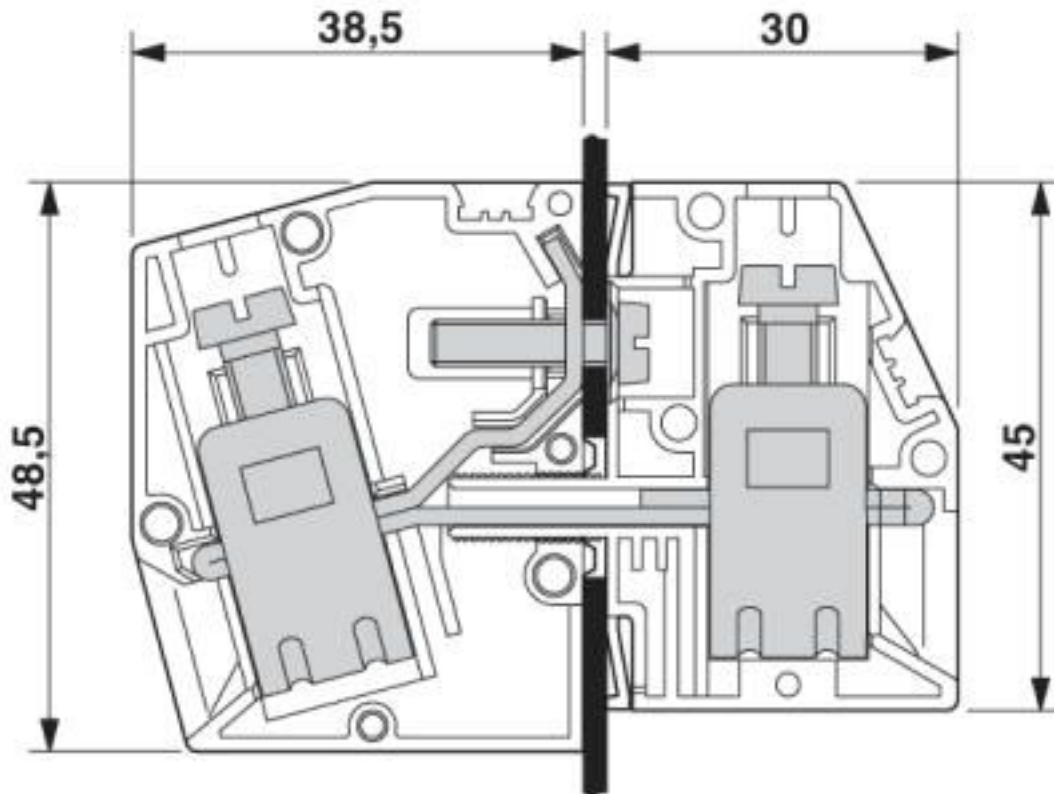
Environmental Product Compliance

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

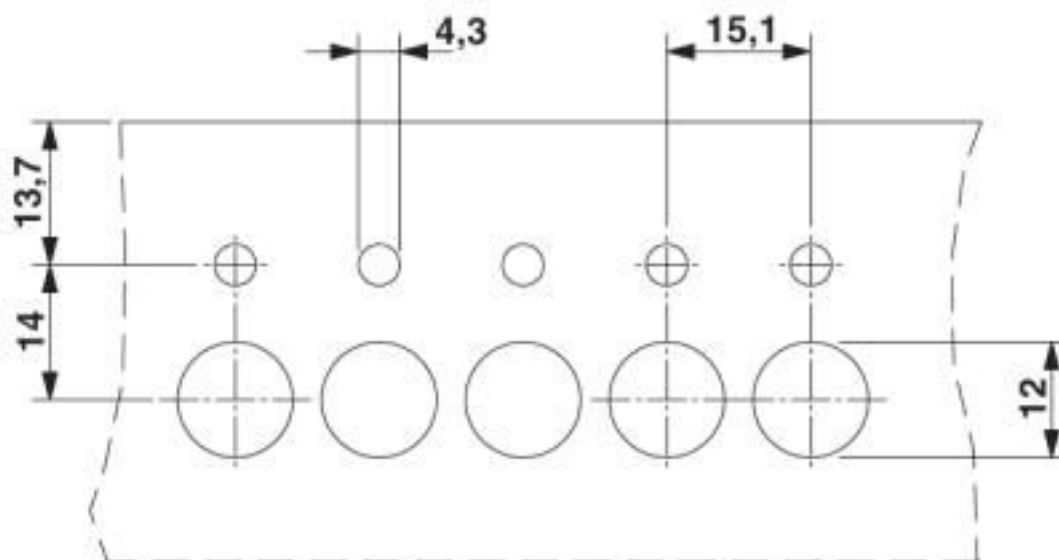
Drawings

PE panel panel feed-through terminal block - HDFK 25-PE - 0707785

Dimensional drawing



Dimensional drawing



PE panel panel feed-through terminal block - HDFK 25-PE - 0707785

Classifications

eCl@ss

eCl@ss 10.0.1	27141134
eCl@ss 4.0	27141100
eCl@ss 4.1	27141100
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	EC000901
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
UNSPSC 18.0	39121410
UNSPSC 19.0	39121410
UNSPSC 20.0	39121410
UNSPSC 21.0	39121410

Approvals

Approvals

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

Ex Approvals

Approval details

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Approvals

CSA		http://www.csagroup.org/services-industries/product-listing/	13631
	B	C	
Nominal voltage UN	600 V	600 V	
Nominal current IN	100 A	100 A	
mm ² /AWG/kcmil	8-2	8-2	

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	115 A	115 A	
mm ² /AWG/kcmil	8-2	8-2	

KEMA-KEUR		http://www.dekra-certification.com	2169260.02
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IECEE CB Scheme		http://www.iecee.org/	NL-29946
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EAC			B.01687
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Accessories

Accessories

Screwdriver tools

Screwdriver - SZS 1,0X6,5 VDE - 1205079



Screwdriver, slot-headed, VDE insulated, size: 1.0 x 6.5 x 150 mm, 2-component grip, with non-slip grip

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[15602-04-08-21](#) [BA311TU](#) [BA411SU](#) [MV-152](#) [MV-252-D](#) [MV-253/NCNOC](#) [MV-254-D](#) [MV-255](#) [MV-462](#) [MV-493](#) [MVE-252](#) [MVE-253](#)
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[30.106](#)