

# HDFK 25-DP-PE - PE panel panel feed-through terminal block

0707798

<https://www.phoenixcontact.com/us/products/0707798>

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The figure shows version  
HDFK 25 PE

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 mm<sup>2</sup> - 35 mm<sup>2</sup>, connection direction of the conductor to plug-in direction: 0 °, width: 15.1 mm

## 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

## Commercial data

Item number	0707798
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AA28
Product key	AA1EAA
GTIN	4017918004248
Weight per piece (including packing)	70.6 g
Weight per piece (excluding packing)	70.58 g
Customs tariff number	85369010
Country of origin	GR

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## Technical data

### Product properties

Product type	Panel feed-through terminal block
Product family	HDFK 25
Number of positions	1
Pitch	15.1 mm
Number of connections	2
Number of rows	1

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Electrical properties

#### Properties

Nominal current $I_N$	101 A
Nominal voltage $U_N$	500 V
Rated voltage (III/3)	500 V
Rated surge voltage (III/3)	6 kV

### Connection data

#### Connection technology

Connector system	HDFK 25
Nominal cross section	25 mm <sup>2</sup>

#### Conductor connection exterior

Connection method	Screw connection with tension sleeve
Connection direction of the conductor to plug-in direction	0 °
Conductor cross-section rigid	6 mm <sup>2</sup> ... 35 mm <sup>2</sup>
Conductor cross-section flexible	10 mm <sup>2</sup> ... 25 mm <sup>2</sup>
Conductor cross-section, flexible, with ferrule, without plastic sleeve	4 mm <sup>2</sup> ... 25 mm <sup>2</sup>
Conductor cross-section, flexible, with ferrule, with plastic sleeve	4 mm <sup>2</sup> ... 25 mm <sup>2</sup>
2 conductors with same cross section, rigid	2.5 mm <sup>2</sup> ... 10 mm <sup>2</sup>
2 conductors with same cross section, flexible	4 mm <sup>2</sup> ... 10 mm <sup>2</sup>
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	2.5 mm <sup>2</sup> ... 10 mm <sup>2</sup>
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	2.5 mm <sup>2</sup> ... 10 mm <sup>2</sup>
Internal cylindrical gage	B8
Stripping length	19 mm
Tightening torque	4 Nm ... 4.5 Nm

#### Conductor connection interior

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Internal cylindrical gage	B8
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Tightening torque	4 Nm ... 4.5 Nm

## Mounting

Panel thickness	1 mm...6 mm
Attachment to feed-through panel	
Tightening torque	1.5 Nm ... 1.8 Nm (Mounting screw torque)
Screw	M4

## Material specifications

### 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

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

## Notes

Safety note

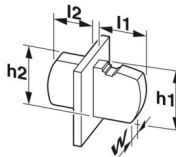
# HDFK 25-DP-PE - PE panel panel feed-through terminal block

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Safety note	<ul style="list-style-type: none"><li>• 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.</li></ul>
	<ul style="list-style-type: none"><li>• 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.</li></ul>
	<ul style="list-style-type: none"><li>• 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.</li></ul>

## Dimensions

Dimensional drawing	
Pitch	15.1 mm
Width [w]	15.1 mm

## Electrical tests

### Air clearances and creepage distances | 1. Insulation coordination

Insulating material group	I
Comparative tracking index (IEC 60112)	CTI 600
Rated insulation voltage (III/3)	500 V
Rated surge voltage (III/3)	6 kV
minimum clearance value - non-homogenous field (III/3)	5.5 mm
minimum creepage distance (III/3)	6.3 mm

## Environmental and real-life conditions

### Ambient conditions

Relative humidity (storage/transport)	30 % ... 70 %
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## Packaging specifications

Type of packaging	packed in cardboard
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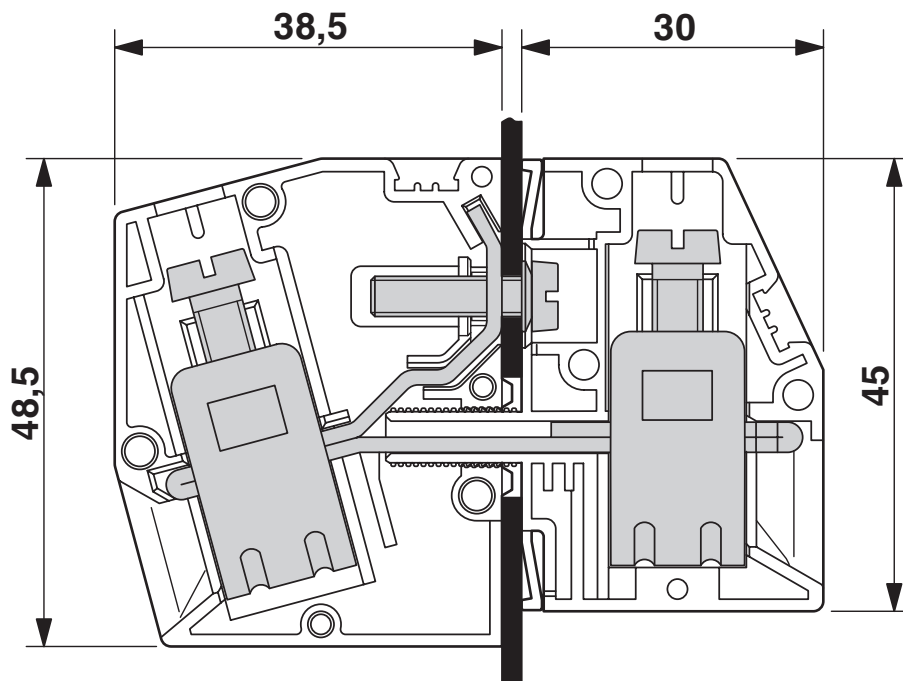
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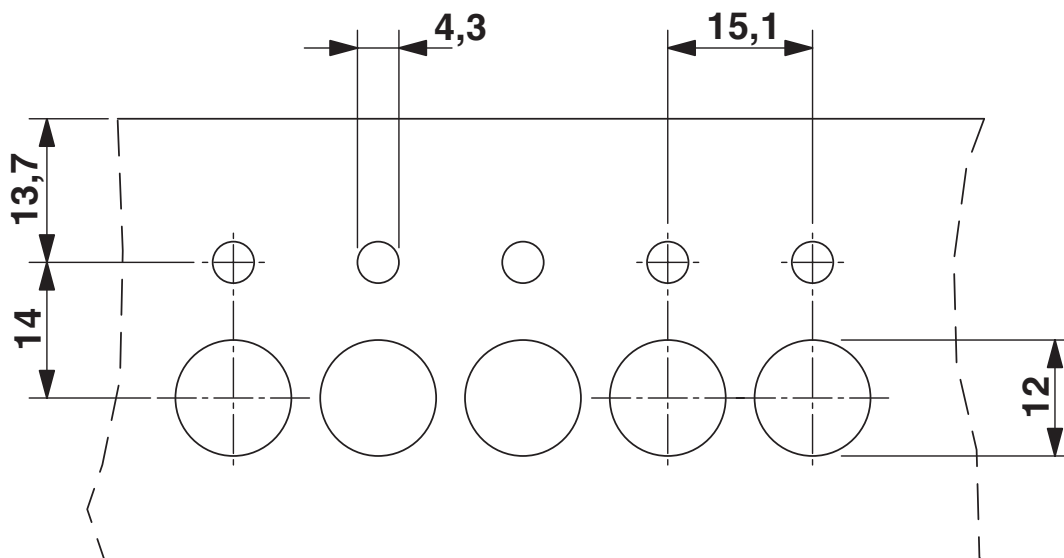
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## Drawings

Dimensional drawing



Dimensional drawing



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## Classifications

### ECLASS

ECLASS-13.0	27141134
ECLASS-15.0	27141134

### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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