

HDFK 95-F-VP - Panel feed-through terminal block



0709916

<https://www.phoenixcontact.com/us/products/0709916>

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Panel feed-through terminal block, connection method: Screw connection with tension sleeve, Cable lug connection, number of positions: 1, load current: 232 A, cross section: 35 mm² - 95 mm², connection direction of the conductor to plug-in direction: 0 °, width: 25 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
- Reliable seal even with low-viscosity molding compounds

Commercial data

Item number	0709916
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	AA28
Product key	AA1GAB
Catalog page	Page 619 (C-1-2013)
GTIN	4017918336660
Weight per piece (including packing)	173.59 g
Weight per piece (excluding packing)	173 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 95-VP
Number of positions	1
Pitch	25 mm
Number of connections	2
Number of rows	1
Number of potentials	1

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Nominal current I_N	232 A
Nominal voltage U_N	630 V (metal panels 2.5 mm ... 5 mm)
Degree of pollution	3
Rated voltage (III/3)	630 V
Rated surge voltage (III/3)	6 kV

Connection data

Connection technology

Connector system	HDFK 95
Nominal cross section	95 mm ²

Conductor connection exterior

Connection method	Screw connection with tension sleeve
Connection direction of the conductor to plug-in direction	0 °
Conductor cross section rigid	35 mm ² ... 95 mm ²
Conductor cross section flexible	35 mm ² ... 95 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve	30 mm ² ... 95 mm ²
Conductor cross section, flexible, with ferrule, with plastic sleeve	30 mm ² ... 95 mm ²
2 conductors with same cross section, solid	25 mm ² ... 35 mm ²
2 conductors with same cross section, flexible	25 mm ² ... 35 mm ²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	16 mm ² ... 35 mm ²
Internal cylindrical gage	B12
Stripping length	27 mm
Tightening torque	15 Nm ... 20 Nm

Conductor connection interior

Connection method	Cable lug connection
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Connection direction of the conductor to plug-in direction	0 °
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Mounting

Plate thickness	1 mm ... 6 mm
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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

Color (Housing)	gray (7042)
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

Safety note	<ul style="list-style-type: none">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.
	<ul style="list-style-type: none">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.
	<ul style="list-style-type: none">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.
	<ul style="list-style-type: none">To maintain the nominal voltage, align the cable lugs straight and centered, and cast the terminals on the inside.
	<ul style="list-style-type: none">There is no electrical contact to the housing. Make sure that protective grounding is provided for green/yellow color variants and articles marked with PE.

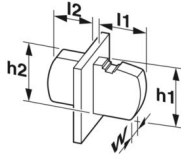
Dimensions

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Dimensional drawing	
Pitch	25 mm
Width [w]	25 mm
Length [l]	91.5 mm
External dimensions	
Height [h1]	100.7 mm
Length [l1]	49.5 mm
Internal dimensions	
Height [h2]	100.7 mm
Length [l2]	42 mm

Electrical tests

Air clearances and creepage distances | 1. Insulation coordination

Application	Metal wall 2.5 mm ... 5.0 mm
Specification	IEC 60947-7-1:1989-10 + AMD 1:1999-06
Insulating material group	I
Comparative tracking index (IEC 60112)	CTI 600
Rated insulation voltage (III/3)	630 V
Rated surge voltage (III/3)	6 kV
minimum clearance value - non-homogenous field (III/3)	5.5 mm
minimum creepage distance (III/3)	8 mm

Air clearances and creepage distances | 2. Insulation coordination

Application	Metal panel > 5.0 mm ... 6.0 mm
Specification	IEC 60947-7-1:1989-10 + AMD 1:1999-06
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

Air clearances and creepage distances | 3. Insulation coordination

Application	Plastic panel 2.5 ... 6.0 mm
Specification	IEC 60947-7-1:1989-10 + AMD 1:1999-06
Insulating material group	I
Comparative tracking index (IEC 60112)	CTI 600
Rated insulation voltage (III/3)	630 V
Rated surge voltage (III/3)	6 kV

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minimum clearance value - non-homogenous field (III/3)	5.5 mm
minimum creepage distance (III/3)	8 mm

Packaging specifications

Type of packaging	packed in cardboard
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Classifications

ECLASS

ECLASS-11.0	27141134
ECLASS-13.0	27141134
ECLASS-12.0	27141134

ETIM

ETIM 9.0	EC001283
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

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

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