

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



0717665

<https://www.phoenixcontact.com/us/products/0717665>

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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, 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
- Reliable seal even with low-viscosity molding compounds

Commercial Data

Item number	0717665
Packing unit	10 pc
Minimum order quantity	1 pc
Product Key	AA1GAB
GTIN	4017918976798
Weight per Piece (including packing)	176.3 g
Weight per Piece (excluding packing)	176.3 g
Customs tariff number	85369010
Country of origin	GR

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Technical Data

Product properties

Product type	Panel feed-through terminal block
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)
Pollution degree	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 solid	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
Torque	15 Nm ... 20 Nm

Conductor connection interior

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

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Stripping length	27 mm
Torque	15 Nm ... 20 Nm

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

Housing color	green-yellow (6021 / 1018)
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.
	☐ 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.

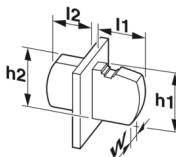
Dimensions

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



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Dimensional drawing	
Pitch	25 mm
Width [w]	25 mm
Height [h]	100.7 mm
Length [l]	91.5 mm

External dimensions

Width [w]	25 mm
Height [h1]	100.7 mm
Length [l1]	49.5 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
minimum clearance value - non-homogenous field (III/3)	5.5 mm

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minimum creepage distance (III/3)	8 mm
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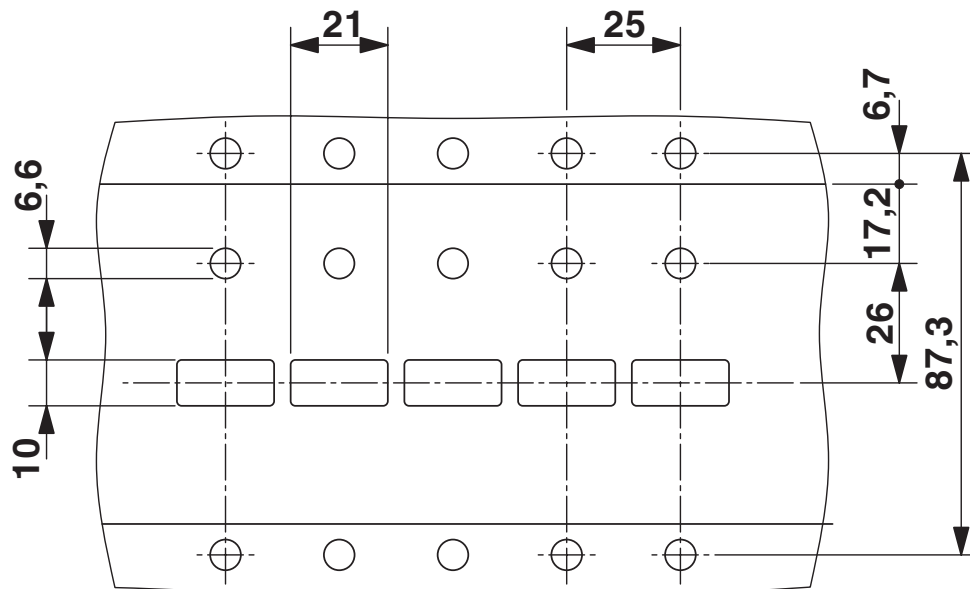
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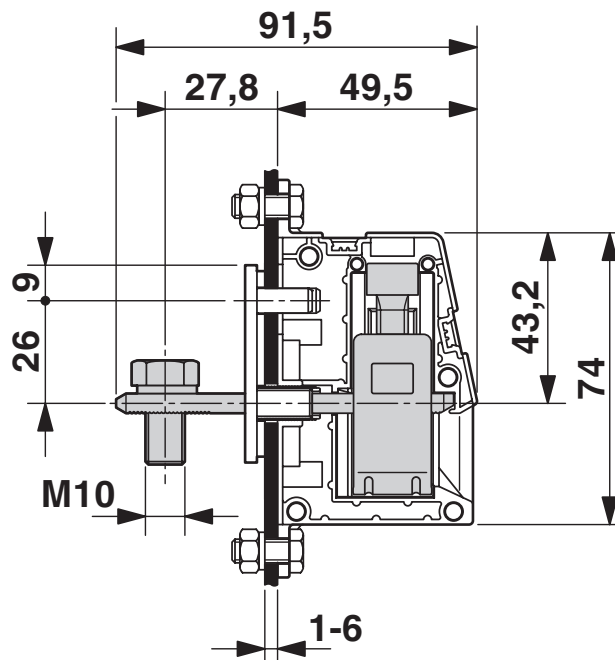
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Drawings

Dimensional drawing



Dimensional drawing



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Approvals

 CSA Approval ID: 13631				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
Use group B				
	600 V	230 A	2 - 4/0	-
Use group C				
	600 V	230 A	2 - 4/0	-

 UL Recognized Approval ID: E60425-19890329				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
Use group B				
	600 V	230 A	4 - 4/0	-
Use group C				
	600 V	230 A	4 - 4/0	-

 EAC Approval ID: B.01687				
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Classifications

ECLASS

ECLASS-10.0.1	27141134
ECLASS-9.0	27141134
ECLASS-11.0	27141134

ETIM

ETIM 8.0	EC001283
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UNSPSC

UNSPSC 21.0	39121400
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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Accessories

Insertion profile

Insertion profile - UKH 95 EP - 3009231

<https://www.phoenixcontact.com/us/products/3009231>

Insertion profile, color: silver



Screwdriver

Screwdriver - SF-THEX 6-200 - 1212642

<https://www.phoenixcontact.com/us/products/1212642>

T-handle screwdriver, for Allen screws, hexagonal (with chamfer), size: hex 6 x 200 mm, ergonomically shaped handle, matt chrome-plated



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Marker for terminal blocks

Marker for terminal blocks - ZB10,LGS:1-9 - 1053124

<https://www.phoenixcontact.com/us/products/1053124>



Marker for terminal blocks, Strip, white, labeled, printed horizontally: consecutive numbers 1 ... 9, mounting type: snapped, for terminal block width: 10.2 mm, lettering field size: 10.15 x 10.5 mm, Number of individual labels: 9

Zack marker strip

Zack marker strip - ZB10,LGS:FORTL.ZAHLEN - 1053014

<https://www.phoenixcontact.com/us/products/1053014>



Zack marker strip, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snapped, for terminal block width: 10.2 mm, lettering field size: 10.15 x 10.5 mm, Number of individual labels: 10

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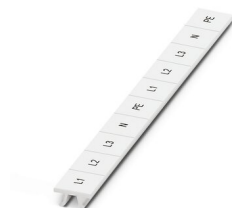
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Marker for terminal blocks

Marker for terminal blocks - ZB10,LGS:L1-N,PE - 1053412

<https://www.phoenixcontact.com/us/products/1053412>



Marker for terminal blocks, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, horizontal: L1, L2, L3, N, PE, L1, L2, L3, N, PE, mounting type: snapped, for terminal block width: 10.2 mm, lettering field size: 10.15 x 10.5 mm, Number of individual labels: 10

Marker for terminal blocks

Marker for terminal blocks - ZB10,LGS:U-N - 1053438

<https://www.phoenixcontact.com/us/products/1053438>



Marker for terminal blocks, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, horizontal: U, V, W, N, GND, U, V, W, N, GND, mounting type: snapped, for terminal block width: 10.2 mm, lettering field size: 10.15 x 10.5 mm, Number of individual labels: 10

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Zack marker strip

Zack marker strip - ZB10,QR:FORTL.ZAHLEN - 1053027

<https://www.phoenixcontact.com/us/products/1053027>



Zack marker strip, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, Printed vertically: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snapped, for terminal block width: 10.2 mm, lettering field size: 10.15 x 10.5 mm, Number of individual labels: 10

Zack marker strip

Zack marker strip - ZB10/WH-100:UNBEDRUCKT - 5060883

<https://www.phoenixcontact.com/us/products/5060883>



Zack marker strip, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, mounting type: snapped, for terminal block width: 10.2 mm, lettering field size: 10.15 x 10.5 mm, Number of individual labels: 1000

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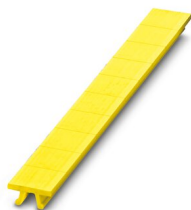
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Zack marker strip

Zack marker strip - ZB10/YE-100:UNBEDRUCKT - 5062564

<https://www.phoenixcontact.com/us/products/5062564>



Zack marker strip, Strip, yellow, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, mounting type: snap in, for terminal block width: 10.2 mm, lettering field size: 10.15 x 10.5 mm, Number of individual labels: 1000

Zack marker strip

Zack marker strip - ZB 10:UNBEDRUCKT - 1053001

<https://www.phoenixcontact.com/us/products/1053001>



Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 10.2 mm, lettering field size: 10.5 mm x 10.15 mm, Number of individual labels: 10

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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com