PHŒNIX CONTACT

Panel feed-through terminal block - HDFKV 25-TWIN - 0709563

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The figure shows a 7-position version

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, width: 15.1 mm, color: gray

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

RoHS | 101 A IEC | 500V IEC | 25 mm²

Key Commercial Data

Packing unit	1 pc
Minimum order quantity	25 pc
GTIN	4 017918 117061
GTIN	4017918117061
Weight per Piece (excluding packing)	93.380 g
Custom tariff number	85369010
Country of origin	Greece

Technical data

Item properties

Brief article description	Panel feed-through terminal block
Range of articles	HDFKV 25-TWIN
Pitch	15.1 mm

Panel feed-through terminal block - HDFKV 25-TWIN - 0709563

Technical data

Item properties

Number of positions	1
Number of connections	3
Number of potentials	1

Electrical parameters

Nominal current	101 A
Nom. voltage	500 V
Maximum load current	125 A (with 35 mm² conductor cross section)
Rated voltage (III/3)	500 V
Rated surge voltage (III/3)	6 kV

Connection capacity, external

Connection method	Screw connection with tension sleeve
Conductor cross section solid	6 mm² ... 35 mm²
Conductor cross section flexible	10 mm² ... 25 mm²
Conductor cross section flexible, with ferrule without plastic sleeve	4 mm² ... 25 mm²
Conductor cross section, flexible, with ferrule, with plastic sleeve	4 mm² ... 25 mm²
2 conductors with same cross section, solid	2.5 mm² ... 10 mm²
2 conductors with same cross section, flexible	4 mm² ... 10 mm²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	2.5 mm² ... 10 mm²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	2.5 mm² ... 10 mm²
Internal cylindrical gage	B8
Stripping length	19 mm
Torque	4 Nm ... 4.5 Nm

Connection capacity, internal

Connection method	Screw connection with tension sleeve
Conductor cross section solid	6 mm² ... 35 mm²
Conductor cross section flexible	10 mm² ... 25 mm²
Conductor cross section flexible, with ferrule without plastic sleeve	4 mm² ... 25 mm²
Conductor cross section, flexible, with ferrule, with plastic sleeve	4 mm² ... 25 mm²
2 conductors with same cross section, solid	2.5 mm² ... 10 mm²
2 conductors with same cross section, flexible	4 mm² ... 10 mm²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	2.5 mm² ... 10 mm²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	2.5 mm² ... 10 mm²
Internal cylindrical gage	B8

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Connection capacity, internal

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	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

Dimensions for the product

Caption	Schematische Abbildung - weitere Details siehe Produktfamilienzeichnung im Download Center
Width [w]	15.1 mm
Height [h]	56.4 mm
Pitch	15.1 mm

Dimensions for mounting cutout

Plate thickness	1 mm ... 6 mm

Packaging information

Type of packaging	packed in cardboard
Pieces per package	25
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

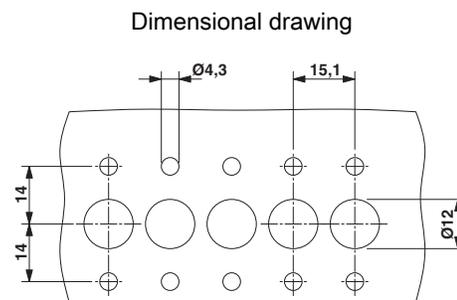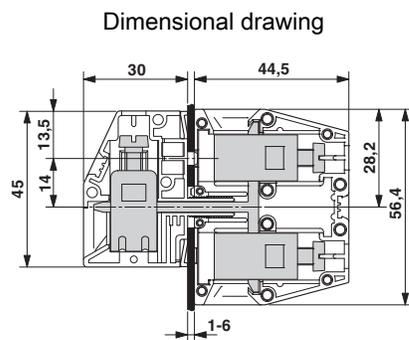# Panel feed-through terminal block - HDFKV 25-TWIN - 0709563

Technical data

Standards and Regulations

Connection in acc. with standard	CSA
	IEC 60947-7-1
Flammability rating according to UL 94	V0
Safety note	• 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.
	• 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.
	• 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

REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Dimensional drawing

Dimensional drawing

Classifications

eCl@ss

eCl@ss 10.0.1	27141134
eCl@ss 11.0	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

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Classifications

eCl@ss

eCl@ss 7.0	27141134
eCl@ss 9.0	27141134

ETIM

ETIM 2.0	EC001283
ETIM 3.0	EC001283
ETIM 4.0	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

Approvals

CSA / UL Recognized / EAC

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	13631
	B		C
Nominal voltage UN	600 V		600 V

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Approvals

	B	C
Nominal current IN	100 A	100 A
mm²/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
mm²/AWG/kcmil	8-2	8-2

EAC		B.01687

Accessories

Accessories

Labeled terminal marker

Marker for terminal blocks - UC-TM 10 CUS - 0824605

Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 10.2 mm, lettering field size: 9.6 x 10.5 mm, Number of individual labels: 48

Zack marker strip - ZB 10 CUS - 0824941

Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into tall marker groove, 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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Accessories

Marker for terminal blocks - ZB10,LGS:L1-N,PE - 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: snap into tall marker groove, for terminal block width: 10.2 mm, lettering field size: 10.15 x 10.5 mm, Number of individual labels: 10

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

Terminal marking

Marker for terminal blocks - UC-TM 10 - 0818069

Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into tall marker groove, for terminal block width: 10.2 mm, lettering field size: 9.6 x 10.5 mm, Number of individual labels: 48

Zack marker strip - ZB 10:UNBEDRUCKT - 1053001

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