PHŒNIX CONTACT

Panel feed-through terminal block - HDFKV 10-TWIN-HV - 0717241

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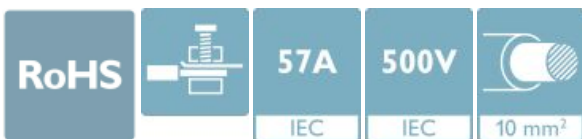
Panel feed-through terminal block, connection method: Screw connection with tension sleeve, Screw connection with tension sleeve, number of positions: 1, load current: 57 A, cross section: 0.5 mm² - 16 mm², width: 10.1 mm, color: gray

The figure shows a 7-position version

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 | 57A IEC | 500V IEC | 10 mm²

Key Commercial Data

Packing unit	50 pc
GTIN	4 017918 904487
GTIN	4017918904487

Technical data

Item properties

Brief article description	Panel feed-through terminal block
Range of articles	HDFKV 10-TWIN-HV
Pitch	10.1 mm
Number of positions	1
Number of connections	3
Number of potentials	1

Electrical parameters

Nominal current	57 A
Nom. voltage	500 V
Maximum load current	76 A (with 16 mm² conductor cross section)

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Technical data

Electrical parameters

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	0.5 mm² ... 16 mm²
Conductor cross section flexible	0.5 mm² ... 10 mm²
Conductor cross section flexible, with ferrule without plastic sleeve	0.5 mm² ... 10 mm²
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.5 mm² ... 10 mm²
2 conductors with same cross section, solid	0.5 mm² ... 4 mm²
2 conductors with same cross section, flexible	0.5 mm² ... 4 mm²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.5 mm² ... 2.5 mm²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm² ... 6 mm²
Internal cylindrical gage	B6
Stripping length	10 mm
Torque	1.5 Nm ... 1.8 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	0.5 mm² ... 16 mm²
Conductor cross section flexible	0.5 mm² ... 10 mm²
Conductor cross section flexible, with ferrule without plastic sleeve	0.5 mm² ... 10 mm²
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.5 mm² ... 10 mm²
2 conductors with same cross section, solid	0.5 mm² ... 4 mm²
2 conductors with same cross section, flexible	0.5 mm² ... 4 mm²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.5 mm² ... 2.5 mm²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm² ... 6 mm²
Internal cylindrical gage	B6
Stripping length	10 mm
Torque	1.5 Nm ... 1.8 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

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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

Caption	Schematische Abbildung - weitere Details siehe Produktfamilienzeichnung im Download Center
Width [w]	10.1 mm
Height [h]	45.4 mm
Pitch	10.1 mm

Packaging information

Pieces per package	50
Denomination packing units	Pcs.

General product information

Type of note	Notes on safety
Note	The cable entry funnel is not touch-proof. Never connect or disconnect the terminal when it is energized. Take appropriate steps to ensure touch proofness.

Electrical tests

Rated current	57 A
Conductor cross section	10 mm²

Air clearances and creepage distances

Standards and Regulations

Connection in acc. with standard	CUL
	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

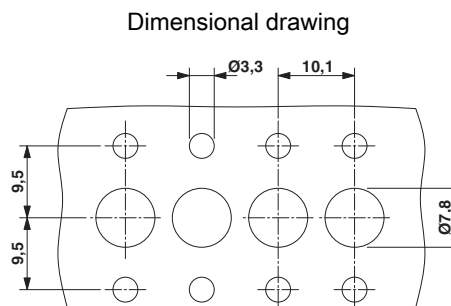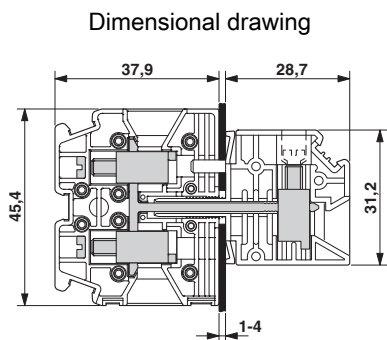| REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years

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Technical data

Environmental Product Compliance

	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
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

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Classifications

UNSPSC

UNSPSC 19.0	39121410
UNSPSC 20.0	39121410
UNSPSC 21.0	39121410

Approvals

Approvals

Approvals

EAC / cULus Recognized

Ex Approvals

Approval details

EAC	EAC	B.01687

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-19870911
	B		C
Nominal voltage UN	600 V		600 V
Nominal current IN	65 A		65 A
mm²/AWG/kcmil	24-6		24-6

Accessories

Accessories
Insertion bridge

Insertion bridge - EB 2-10 - 0203153

Insertion bridge, pitch: 10 mm, number of positions: 2, color: gray

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Accessories

Insertion bridge - EB 3-10 - 0203328

Insertion bridge, pitch: 10 mm, number of positions: 3, color: gray

Insertion bridge - EB 10-10 - 0203137

Insertion bridge, pitch: 10 mm, number of positions: 10, color: gray

Labeled terminal marker

Marker for terminal blocks - UC-TM 8 CUS - 0824597

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: 8.2 mm, lettering field size: 7.6 x 10.5 mm, Number of individual labels: 56

Zack marker strip - ZB 8 CUS - 0825011

Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 8.2 mm, lettering field size: 10.5 x 8.15 mm, Number of individual labels: 10

Marker for terminal blocks - ZB 8,LGS:L1-N,PE - 1052413

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: 8.2 mm, lettering field size: 10.5 x 8.15 mm, Number of individual labels: 10

Screwdriver tools

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Accessories

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 8 - 0818072

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: 8.2 mm, lettering field size: 7.6 x 10.5 mm, Number of individual labels: 56