PHŒNIX CONTACT

Panel feed-through terminal block - HDFK 50 GNYE - 0708726

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (http://phoenixcontact.com/download)
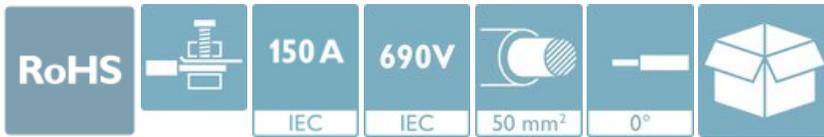

The figure shows version HDFK 50 in gray

Panel feed-through terminal block, connection method: Screw connection with tension sleeve, Screw connection with tension sleeve, number of positions: 1, load current: 150 A, cross section: 16 mm² - 50 mm², connection direction of the conductor to plug-in direction: 0 °, width: 18.8 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

Key Commercial Data

Packing unit	1 pc
Minimum order quantity	10 pc
GTIN	
GTIN	4017918004743
Weight per Piece (excluding packing)	126.210 g
Custom tariff number	85369010
Country of origin	Greece

Technical data

Item properties

Brief article description	Panel feed-through terminal block
Range of articles	HDFK 50
Pitch	18.8 mm

Panel feed-through terminal block - HDFK 50 GNYE - 0708726

Technical data

Item properties

Number of positions	1
Number of connections	2
Number of potentials	1

Electrical parameters

Nominal current	150 A
Nom. voltage	690 V
Maximum load current	150 A (with 50 mm² conductor cross section)
Rated voltage (III/3)	690 V
Rated surge voltage (III/3)	8 kV

Connection capacity, external

Connection method	Screw connection with tension sleeve
Connection direction of the conductor to plug-in direction	0 °
Conductor cross section solid	16 mm² ... 50 mm²
Conductor cross section flexible	16 mm² ... 50 mm²
Conductor cross section flexible, with ferrule without plastic sleeve	10 mm² ... 50 mm²
Conductor cross section, flexible, with ferrule, with plastic sleeve	10 mm² ... 50 mm²
2 conductors with same cross section, solid	6 mm² ... 16 mm²
2 conductors with same cross section, flexible	10 mm² ... 16 mm²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	6 mm² ... 16 mm²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	6 mm² ... 10 mm²
Internal cylindrical gage	B10
Stripping length	24 mm
Torque	6 Nm ... 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	16 mm² ... 50 mm²
Conductor cross section flexible	16 mm² ... 50 mm²
Conductor cross section flexible, with ferrule without plastic sleeve	10 mm² ... 50 mm²
Conductor cross section, flexible, with ferrule, with plastic sleeve	10 mm² ... 50 mm²
2 conductors with same cross section, solid	6 mm² ... 16 mm²
2 conductors with same cross section, flexible	10 mm² ... 16 mm²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	6 mm² ... 16 mm²

Panel feed-through terminal block - HDFK 50 GNYE - 0708726

Technical data

Connection capacity, internal

2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	6 mm² ... 10 mm²
Internal cylindrical gage	B10
Stripping length	24 mm
Torque	6 Nm ... 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	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

Dimensions for the product

Caption	Schematische Abbildung - weitere Details siehe Produktfamilienzeichnung im Download Center
Width [w]	18.8 mm
Height [h]	55 mm
Pitch	18.8 mm

Dimensions for mounting cutout

Plate thickness	1 mm ... 6 mm

Packaging information

Type of packaging	packed in cardboard
Pieces per package	10
Denomination packing units	Pcs.

Electrical tests

Rated current	150 A
Conductor cross section	50 mm²

Air clearances and creepage distances

PHŒNIX CONTACT

Panel feed-through terminal block - HDFK 50 GNYE - 0708726

Technical data

Air clearances and creepage distances

Clearances and creepage distances	Metal wall 1.0 mm ... 6.0 mm IEC 60947-7-1:2002-07
Application	Metal wall 1.0 mm ... 6.0 mm
Specification	IEC 60947-7-1:2002-07
Minimum clearance - inhomogeneous field (III/3)	8 mm
Minimum creepage distance value (III/3)	8 mm

Standards and Regulations

Connection in acc. with standard	CSA
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.
	# 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.

Environmental Product Compliance

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

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

Panel feed-through terminal block - HDFK 50 GNYE - 0708726

Classifications

ETIM

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 / KEMA-KEUR / IECEE CB Scheme / EAC

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	13631
	B	C	
Nominal voltage UN	600 V	600 V	
Nominal current IN	125 A	125 A	
mm²/AWG/kcmil	6	6	

Panel feed-through terminal block - HDFK 50 GNYE - 0708726

Approvals

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	170 A	170 A
mm²/AWG/kcmil	6	6

KEMA-KEUR		http://www.dekra-certification.com	KEMA jetzt DEKRA

Nominal voltage UN	690 V
Nominal current IN	150 A
mm²/AWG/kcmil	50

IECEE CB Scheme		http://www.iecee.org/	NL-29947

Nominal voltage UN	690 V
Nominal current IN	150 A
mm²/AWG/kcmil	50

EAC		B.01687

Accessories

Accessories

Labeled terminal marker

Marker for terminal blocks - UC-TM 16 CUS - 0824621

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: 16 mm, lettering field size: 15.45 x 10.5 mm, Number of individual labels: 32

PHŒNIX CONTACT

Panel feed-through terminal block - HDFK 50 GNYE - 0708726

Accessories

Zack Marker strip, flat - ZBF 16 CUS - 0827465

Zack Marker strip, flat, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 16 mm, lettering field size: 5.15 x 16 mm, Number of individual labels: 5

Mounting material

Insertion profile - UKH 50 EP - 3009228

Insertion profile, color: silver

Screwdriver tools

Screwdriver - SZS 1,2X8,0 VDE - 1205082

Screwdriver, slot-headed, VDE insulated, size: 1.2 x 8.0 x 175 mm, 2-component grip, with non-slip grip

Terminal marking

Marker for terminal blocks - UC-TM 16 - 0819217

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: 16 mm, lettering field size: 15.45 x 10.5 mm, Number of individual labels: 32

Panel feed-through terminal block - HDFK 50 GNYE - 0708726

Accessories

Zack marker strip - ZB 16:UNPRINTED - 0827461

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: 16 mm, lettering field size: 16 x 10.5 mm, Number of individual labels: 50