

Panel feed-through terminal block - HDFK 4 BK - 0706650

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>)



Panel feed-through terminal block, connection method: Screw connection with tension sleeve, Screw connection with tension sleeve, number of positions: 1, load current: 32 A, cross section: 0.2 mm² - 6 mm², connection direction of the conductor to plug-in direction: 0 °, width: 8.1 mm, color: black

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



Key Commercial Data

Packing unit	50 pc
GTIN	
GTIN	4017918241773

Technical data

Item properties

Brief article description	Panel feed-through terminal block
Range of articles	HDFK 4
Pitch	8.1 mm
Number of positions	1
Number of connections	2
Number of potentials	1

Electrical parameters

Nominal current	32 A
Nom. voltage	400 V (With metal panels of 1 mm ... 2.5 mm)
Rated voltage	400 V

Panel feed-through terminal block - HDFK 4 BK - 0706650

Technical data

Electrical parameters

Rated surge voltage (III/3)	6 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	0.2 mm ² ... 6 mm ²
Conductor cross section flexible	0.2 mm ² ... 4 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve	0.25 mm ² ... 4 mm ²
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.25 mm ² ... 4 mm ²
2 conductors with same cross section, solid	0.2 mm ² ... 1.5 mm ²
2 conductors with same cross section, flexible	0.2 mm ² ... 1.5 mm ²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.25 mm ² ... 1.5 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm ² ... 2.5 mm ²
Internal cylindrical gage	A4
Stripping length	9 mm
Torque	0.6 Nm ... 0.8 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	0.2 mm ² ... 6 mm ²
Conductor cross section flexible	0.2 mm ² ... 4 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve	0.25 mm ² ... 4 mm ²
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.25 mm ² ... 4 mm ²
2 conductors with same cross section, solid	0.2 mm ² ... 1.5 mm ²
2 conductors with same cross section, flexible	0.2 mm ² ... 1.5 mm ²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.25 mm ² ... 1.5 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm ² ... 2.5 mm ²
Internal cylindrical gage	A4
Stripping length	9 mm
Torque	0.6 Nm ... 0.8 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	black (9005)
Insulating material	PA

Panel feed-through terminal block - HDFK 4 BK - 0706650

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]	8.1 mm
Height [h]	21 mm
Pitch	8.1 mm

Packaging information

Type of packaging	packed in cardboard
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	32 A
Conductor cross section	4 mm ²

Air clearances and creepage distances

Clearances and creepage distances	Metal wall 1.0 mm ... 2.5 mm IEC 60947-7-1:2002-07
Application	Metal wall 1.0 mm ... 2.5 mm
Specification	IEC 60947-7-1:2002-07
Minimum clearance - inhomogeneous field (III/3)	5.5 mm
Minimum creepage distance value (III/3)	5.5 mm

Standards and Regulations

Connection in acc. with standard	CSA
	IEC 60947-7-1
	IEC / EN
Flammability rating according to UL 94	V0
Safety note	<ul style="list-style-type: none"> • WARNING: Only electrically qualified personnel may install and operate the product. They must observe the following safety notes. The qualified personnel must be familiar with the basics of electrical engineering. They must be able to recognize and prevent danger. The relevant symbol on the packaging indicates that only personnel familiar with electrical engineering are allowed to install and operate the product.

Panel feed-through terminal block - HDFK 4 BK - 0706650

Technical data

Standards and Regulations

	• The installation notes/Design In documents online on the download page at phoenixcontact.com/products must be observed for this product.
	• 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. Ensure protective grounding is established for green-yellow color versions.

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"

Classifications

eCl@ss

eCl@ss 10.0.1	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 8.0	27141134
eCl@ss 9.0	27141134

ETIM

ETIM 2.0	EC001283
ETIM 3.0	EC001283
ETIM 4.0	EC001283
ETIM 5.0	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

Panel feed-through terminal block - HDFK 4 BK - 0706650

Classifications

UNSPSC

UNSPSC 20.0	39121410
UNSPSC 21.0	39121410

Approvals


Approvals


Approvals


CSA / KEMA-KEUR / IECCE CB Scheme / cULus Recognized / EAC

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	13631
Nominal voltage UN		300 V	
Nominal current IN		30 A	
mm ² /AWG/kcmil		22-10	

KEMA-KEUR		http://www.dekra-certification.com	2169260.01
Nominal voltage UN		250 V	
Nominal current IN		32 A	
mm ² /AWG/kcmil		4	

IECEE CB Scheme		http://www.iecee.org/	NL-29947
Nominal voltage UN		250 V	
Nominal current IN		32 A	
mm ² /AWG/kcmil		4	

Panel feed-through terminal block - HDFK 4 BK - 0706650

Approvals

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm E60425-19870911
	B	D
Nominal voltage UN	300 V	300 V
Nominal current IN	30 A	10 A
mm ² /AWG/kcmil	30-10	30-10

EAC		B.01687
-----	--	---------

Accessories

Accessories

Insertion bridge

Insertion bridge - EBS 2- 8 - 3118151

Insertion bridge, pitch: 8 mm, number of positions: 2, color: gray



Insertion bridge - EBS 3- 8 - 3118148

Insertion bridge, pitch: 8 mm, number of positions: 3, color: gray



Insertion bridge - EBS 10- 8 - 3118135

Insertion bridge, pitch: 8 mm, number of positions: 10, color: gray



Screwdriver tools

Panel feed-through terminal block - HDFK 4 BK - 0706650

Accessories

Screwdriver - SZS 0,6X3,5 - 1205053



Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

Terminal marking

Zack marker strip - ZB 6:UNBEDRUCKT - 1051003



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: 6.2 mm, lettering field size: 6.15 x 10.5 mm, Number of individual labels: 10

Phoenix Contact 2020 © - all rights reserved
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>