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Panel feed-through terminal block - PLW 16-6/ 5-10 - 1821083

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Panel feed-through terminal block, connection method: Push-lock connection, Push-in spring connection, number of positions: 5, load current: 41 A, cross section: 2.5 mm² - 10 mm², connection direction of the conductor to plug-in direction: 0 °, width: 74.4 mm, color: gray

The figure shows a 5-position version

Your advantages

☑ Tool-free lever principle enables time-saving connection and release of conductors with/without ferrules

☑ Defined contact force ensures that contact remains stable over the long term

☑ Time-saving push-in connection when lever is closed

☑ Quick, tool-free mounting on the housing wall using a fixing wedge

RoHS

Key Commercial Data

Packing unit	15 pc
GTIN	4 046356 788212
GTIN	4046356788212

Technical data

Item properties

Brief article description	Panel feed-through terminal block
Range of articles	PLW 16
Number of positions	5
Connection method	Push-lock spring connection
Number of levels	2
Number of connections	10
Number of potentials	5

Electrical parameters

Nominal current	41 A
Nom. voltage	1000 V
Rated voltage	1000 V

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Technical data

Connection capacity, external

Connection method	Push-lock connection
Connection direction of the conductor to plug-in direction	0 °
Conductor cross section solid	2.5 mm² ... 10 mm²
Single-conductor/terminal point multi-stranded	2.5 mm² ... 16 mm²
Conductor cross section flexible	2.5 mm² ... 25 mm²
Conductor cross section flexible, with ferrule without plastic sleeve	2.5 mm² ... 16 mm²
Conductor cross section, flexible, with ferrule, with plastic sleeve	2.5 mm² ... 16 mm²
Stripping length	18 mm

Connection capacity, internal

Connection method	Push-in spring connection
Connection direction of the conductor to plug-in direction	35 °
Conductor cross section flexible, with ferrule without plastic sleeve	1.5 mm² ... 6 mm²
Conductor cross section, flexible, with ferrule, with plastic sleeve	1.5 mm² ... 6 mm²
Stripping length	15 mm

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	Dimension 54.4 mm for 3-pos. version; 4-pos.: 64.4 mm 5-pos.: 74.4 mm
Width [w]	74.4 mm
Pitch	10 mm

Dimensions for mounting cutout

Plate thickness	19.26 mm

Packaging information

Pieces per package	15
Denomination packing units	Pcs.

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Ambient conditions

Ambient temperature (storage/transport)	-40 °C ... 70 °C
Ambient temperature (assembly)	-5 °C ... 105 °C
Ambient temperature (operation)	-40 °C ... 100 °C (Depending on the current carrying capacity/derating curve)

Electrical tests

Rated current	41 A
Conductor cross section	25 mm²

Air clearances and creepage distances

Clearances and creepage distances	IEC 60947-1:2007-06 + A1:2010-12
Specification	IEC 60947-1:2007-06 + A1:2010-12
Minimum clearance - inhomogeneous field (III/3)	8 mm
Minimum clearance - inhomogeneous field (III/2)	8 mm
Minimum clearance - inhomogeneous field (II/2)	5.5 mm
Minimum creepage distance value (III/3)	12.5 mm
Minimum creepage distance value (III/2)	5 mm
Minimum creepage distance value (II/2)	5 mm

Standards and Regulations

Flammability rating according to UL 94	V0
Safety note	• 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.
	• 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.

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 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 8.0	27141134
eCl@ss 9.0	27141134

ETIM

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
UNSPSC 20.0	39121410
UNSPSC 21.0	39121410

Approvals

Approvals

Approvals

EAC / cULus Recognized

Ex Approvals

Approval details

EAC		B.01687

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Approvals

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm E60425-20150120	
	B		C
Nominal voltage UN	600 V		600 V
Nominal current IN	40 A		40 A
mm²/AWG/kcmil	16-6		16-6

Accessories

Accessories

Crimping tool

Crimping pliers - CRIMPFOX 6 - 1212034

Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 0.25 mm² ... 6.0 mm², lateral entry, trapezoidal crimp

Crimping pliers - CRIMPFOX 25R - 1212039

Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 10 mm² ... 25 mm², lateral entry, WM crimp

Partition plate

Spacer plate - DP-PLW 16-6/5 3MM - 1705939

Spacer plate for PLW 16-6/5 feed-through terminal block

Screwdriver tools

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Accessories

Screwdriver - SZF 1-0,6X3,5 - 1204517

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

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