PCB terminal block - LPT 16/ 4-10,0-ZB - 1119812

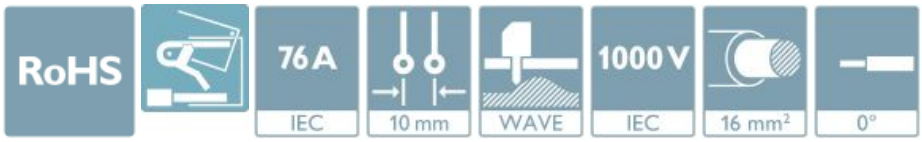
Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (http://phoenixcontact.com/download)

The figure shows a 5-position version

PCB terminal block, nominal current: 76 A, rated voltage (III/2): 1000 V, nominal cross section: 16 mm², Number of potentials: 4, Number of rows: 1, Number of positions per row: 4, product range: LPT 16/, pitch: 10 mm, connection method: Lever Push-in connection, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: green, Pin layout: Zigzag pinning W, Solder pin [P]: 3.6 mm, type of packaging: packed in cardboard

Your advantages

- Tool-free lever principle enables time-saving connection and release of conductors with/without ferrules
- Clear lever positions provide reliable feedback on opened or closed clamping spaces
- Defined contact force ensures that contact remains stable over the long term
- Time-saving push-in connection when lever is closed
- Intuitive operation, thanks to a color-coded actuation lever



Key Commercial Data

Packing unit	1
GTIN	4 063151 065591
GTIN	4063151065591
Custom tariff number	85366990

Technical data

Item properties

Brief article description	PCB terminal block
Range of articles	LPT 16/
Pitch	10 mm
Number of positions	4
Mounting type	Wave soldering
Pin layout	Zigzag pinning W
Number of levels	1
Number of connections	4
Number of potentials	4

PCB terminal block - LPT 16/ 4-10,0-ZB - 1119812

Technical data

Electrical parameters

Nominal current	76 A
Nom. voltage	1000 V
Rated voltage (III/3)	1000 V
Rated voltage (III/2)	1000 V
Rated voltage (II/2)	1000 V
Rated surge voltage (III/3)	8 kV
Rated surge voltage (III/2)	8 kV
Rated surge voltage (II/2)	6 kV

Connection capacity

Connection method	Lever Push-in connection
Conductor cross section solid	0.75 mm² ... 16 mm² (Conductor connection with open terminal point)
	1.5 mm² ... 16 mm² (Push-in connection)
Single-conductor/terminal point multi-stranded	0.75 mm² ... 16 mm²
Conductor cross section flexible	0.75 mm² ... 25 mm²
Conductor cross section AWG / kcmil	18 ... 4
Conductor cross section flexible, with ferrule without plastic sleeve	0.75 mm² ... 16 mm²
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.75 mm² ... 16 mm²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	4 mm² ... 6 mm²
Stripping length	18 mm ... 20 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
Metal surface terminal point (top layer)	Tin (10 - 16 µm Sn)
Metal surface soldering area (top layer)	Tin (10 - 16 µm Sn)

Material data - housing

Housing color	green (6021)
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
Length [l]	32 mm

PCB terminal block - LPT 16/ 4-10,0-ZB - 1119812

Technical data

Dimensions for the product

Width [w]	41.9 mm
Height [h]	39.6 mm
Pitch	10 mm
Height (without solder pin)	36 mm
Solder pin [P]	3.6 mm

Dimensions for PCB design

Hole diameter	1.7 mm

Packaging information

Type of packaging	packed in cardboard
Pieces per package	25
Denomination packing units	Pcs.

Ambient conditions

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

Electrical tests

Rated current	76 A
Conductor cross section	25 mm²
Rated voltage (III/2)	1000 V
Rated surge voltage (III/2)	8 kV

Air clearances and creepage distances

Clearances and creepage distances	IEC 60947-7-4:2019-01
Specification	IEC 60947-7-4:2019-01
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)	8 mm
Minimum creepage distance value (II/2)	5.5 mm

Classifications

eCl@ss

eCl@ss 10.0.1	27440401
eCl@ss 11.0	27460101
eCl@ss 8.0	27440401
eCl@ss 9.0	27440401

PCB terminal block - LPT 16/ 4-10,0-ZB - 1119812

Classifications

ETIM

ETIM 5.0	EC002643