PHŒNIX CONTACT

PCB terminal block - LPT 2,5/ 3-5,0 - 1190298

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)

PCB terminal block, nominal current: 24 A, rated voltage (III/2): 400 V, nominal cross section: 2.5 mm², Number of potentials: 3, Number of rows: 1, Number of positions per row: 3, product range: LPT 2,5/, pitch: 5 mm, connection method: Lever Push-in connection, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: green, Pin layout: Linear double pinning, Solder pin [P]: 3.5 mm, type of packaging: packed in cardboard

The figure shows an 10-position version

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

RoHS	24 A IEC	5 mm	WAVE	400 V IEC	2,5 mm²	0°

Key Commercial Data

Packing unit	100 pc
Minimum order quantity	100 pc
GTIN	4 063151 239480
GTIN	4063151239480
Weight per Piece (excluding packing)	2.220 g
Sales Key	AAACBA

Technical data

Item properties

Brief article description	PCB terminal block
Range of articles	LPT 2,5/
Pitch	5 mm
Number of positions	3
Mounting type	Wave soldering
Pin layout	Linear double pinning
Number of levels	1

PCB terminal block - LPT 2,5/ 3-5,0 - 1190298

Technical data

Item properties

Number of connections	3
Number of potentials	3

Electrical parameters

Nominal current	24 A
Nom. voltage	400 V
Rated voltage (III/3)	320 V
Rated voltage (III/2)	400 V
Rated voltage (II/2)	630 V
Rated surge voltage (III/3)	4 kV
Rated surge voltage (III/2)	4 kV
Rated surge voltage (II/2)	4 kV

Connection capacity

Connection method	Lever Push-in connection
Conductor cross section solid	0.2 mm² ... 4 mm² (Conductor connection with open terminal point)
	0.5 mm² ... 4 mm² (Push-in connection)
Conductor cross section flexible	0.2 mm² ... 4 mm²
Conductor cross section AWG / kcmil	24 ... 12
Conductor cross section flexible, with ferrule without plastic sleeve	0.2 mm² ... 2.5 mm² (Conductor connection with open terminal point)
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.2 mm² ... 2.5 mm² (Conductor connection with open terminal point)
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm² ... 1.5 mm²
Stripping length	10 mm ... 12 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

PCB terminal block - LPT 2,5/ 3-5,0 - 1190298

Technical data

Dimensions for the product

Caption	Schematische Abbildung - weitere Details siehe Produktfamilienzeichnung im Download Center
Length [l]	17.8 mm
Width [w]	16.5 mm
Height [h]	20.24 mm
Pitch	5 mm
Height (without solder pin)	16.64 mm
Solder pin [P]	3.5 mm

Dimensions for PCB design

Hole diameter	1.3 mm

Packaging information

Type of packaging	packed in cardboard
Pieces per package	100
Denomination packing units	Pcs.

General product information

Type of note	Note on the status of the technical data
Note	These technical data are expected. Final tests to be done.

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	24 A
Conductor cross section	4 mm²
Rated voltage (III/2)	400 V
Rated surge voltage (III/2)	4 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)	3 mm
Minimum clearance - inhomogeneous field (III/2)	3 mm
Minimum clearance - inhomogeneous field (II/2)	3 mm
Minimum creepage distance value (III/3)	4 mm
Minimum creepage distance value (III/2)	3 mm
Minimum creepage distance value (II/2)	3.2 mm

PCB terminal block - LPT 2,5/ 3-5,0 - 1190298

Classifications

eCl@ss

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