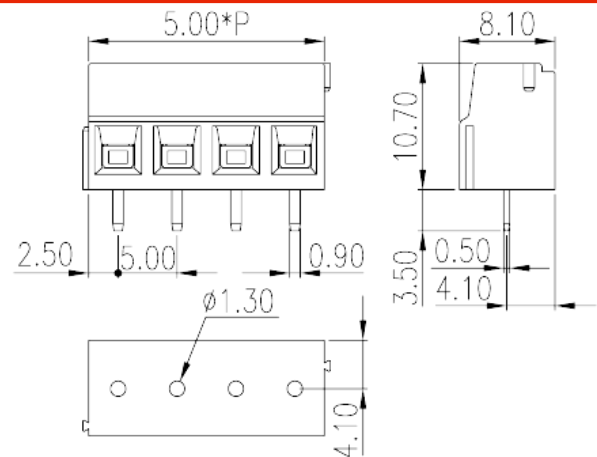
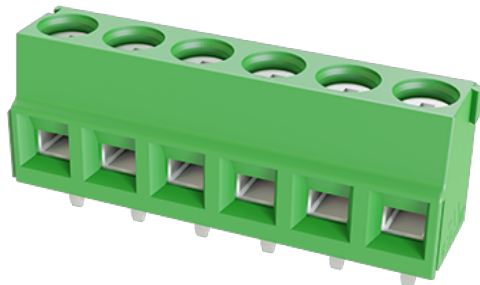


# ELK500B-XXP

PCB Terminal Blocks > PCB Terminal Blocks

Date:2025-12-20



The web catalog is for reference only. Dinkle remains the right of product modification and engineering change of the design.  
The final product is made according to engineering drawing.

## Product Description

Pitch :5.00mm, M3, 300V, 13.5A

## General information

Short description	PCB Terminal Blocks, Screw Connection
Category	PCB Terminal Blocks
Pitch (mm)	5
Color	Green (default)
Connection method	Screw Connection
Type of locking	Without
Soldering method	Wave Soldering
Length (mm)	5.00*P
Width (mm)	8.1
Height (mm)	10.7
Pin dimensions (Thickness x Width)(mm)	0.5x0.9
PCB hole diameter (mm)	1.3
Number of positions	02P~24P
Level	Single level
Connection points	2~24

## Material information

Insulation material	PA
Insulation material group	I
Flame retardant rating , compliant with UL94	V0
Insulation resistance	□500MΩ at DC 500V
Conductor material	COPPER ALLOY
Plating of conductor surface	Tin PLATED

## Connection data-IEC

Rated voltage (V)	320
Rated current (A)	14
Rated voltage (II/2)(V)	630
Rated voltage (III/2) (V)	320
Rated voltage (III/3)(V)	250
Rated impulse voltage (II/2)(KV)	4
Rated impulse voltage (III/2)(KV)	4
Rated impulse voltage (III/3)(KV)	4
Conductor cross section solid. min (mm <sup>2</sup> )	0.2
Conductor cross section solid.max (mm <sup>2</sup> )	1.5
Conductor cross section stranded. min (mm <sup>2</sup> )	0.2
Conductor cross section stranded. max (mm <sup>2</sup> )	1.5
Conductor cross section flexible, with min ferrule without plastic sleeve (mm <sup>2</sup> )	0.25
Conductor cross section flexible, with max ferrule without plastic sleeve (mm <sup>2</sup> )	1
Conductor cross section flexible, with min ferrule with plastic sleeve (mm <sup>2</sup> )	0.25
Conductor cross section flexible, with max ferrule with plastic sleeve (mm <sup>2</sup> )	1
2 conductors with same cross section, solid, min (mm <sup>2</sup> )	0.2
2 conductors with same cross section, solid, max (mm <sup>2</sup> )	0.75
2 conductors with same cross section, stranded, min (mm <sup>2</sup> )	0.2
2 conductors with same cross section, stranded, max (mm <sup>2</sup> )	0.75
2 conductors with same cross section flexible, with min ferrule without plastic sleeve (mm <sup>2</sup> )	0.25
2 conductors with same cross section flexible, with max ferrule without plastic sleeve (mm <sup>2</sup> )	0.5

2 conductors with same cross section flexible, min twin ferrules with plastic sleeve (mm <sup>2</sup> )	0.5
2 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm <sup>2</sup> )	0.75
Screw thread	M3
Slotted screwdriver size (Blade thickness x Width)(mm)	0.6x3.5
Philips screwdriver size	PH1
Recommend tightening torque. min (N.m)	0.5
Recommend tightening torque. max (N.m)	0.6
Stripping Length (mm)	6~7

## Connection data-UL

Rated voltage (UL/CUL Group B)(V)	300
Rated current (UL/CUL Group B)(A)	13.5
Rated voltage (UL/CUL Group D)(V)	300
Rated current (UL/CUL Group D)(A)	10
Min. solid wire connection (AWG) acc. to UL/CUL	26
Max. solid wire connection AWG acc. to UL/CUL	16
Min. stranded wire connection AWG acc. to UL/CUL	26
Max. stranded wire connection AWG acc. to UL/CUL	16

## Environment & Safety

Finger protection (YES or NO)	YES
Operating temperature. max (°C)	120
Operating temperature. min (°C)	-40

## UL Recognized

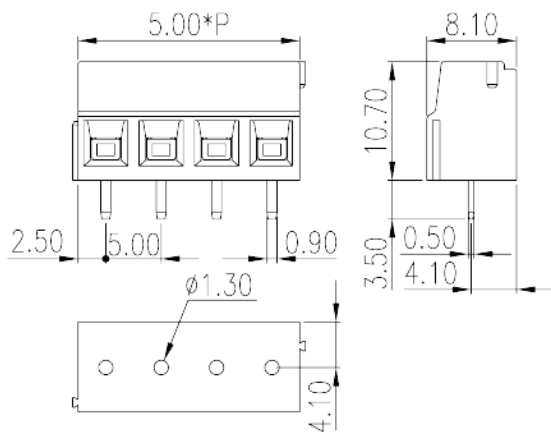
Wire Range (Group B)(AWG)	26~16
Rated voltage (Group B)(V)	300
Rated current (Group B)(A)	13.5
Wire Range (Group D)(AWG)	26~16
Rated voltage (Group D)(V)	300
Rated current (Group D)(A)	10

## CUL Recognized

Wire Range (Group B)(AWG)	26~16
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Rated voltage (Group B)(V)	300
Rated current (Group B)(A)	13.5
Wire Ranget (Group D)(AWG)	26~16
Rated voltage (Group D)(V)	300
Rated current (Group D)(A)	10

## Drawings



## Approvals

