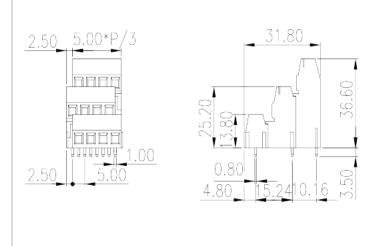


# EK500V3L-XXP

PCB Terminal Blocks > PCB Terminal Blocks

Date:2025-12-03Version:V1





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, 300V, 20A

#### General information

Short description	PCB Terminal Blocks, Screw Connection
Category	PCB Terminal Blocks
Pitch (mm)	5.00
Color	Green (default)
Connection method	Screw Connection
Type of locking	Without
Length (mm)	5.00*(P/3-1)+7.5
Width (mm)	31.8
Height (mm)	36.6
Pin demensions (Thickness x Width)(mm)	0.8x1.0
PCB hole diameter (mm)	1.5~1.6
Number of positions	06P~72P
Level	Triple level

#### Material information

Insulation material	PA
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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)	250
Rated current (A)	24
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 (mm²)	0.5
Conductor cross section solid.max (mm²)	2.5
Conductor cross section stranded. min (mm²)	0.5
Conductor cross section stranded. max (mm²)	2.5
Conductor cross section flexible, with min ferrule without plastic sleeve (mm²)	0.25
Conductor cross section flexible, with max ferrule without plastic sleeve (mm²)	2.5
Conductor cross section flexible, with min ferrule with plastic sleeve (mm²)	0.25
Conductor cross section flexible, with max ferrule with plastic sleeve (mm²)	2.5
2 conductors with same cross section, solid, min (mm²)	0.5
2 conductors with same cross section, solid, max (mm²)	1
$2$ conductors with same cross section, stranded, $\min \left( mm^{2}\right)$	0.5
2 conductors with same cross section, stranded, max $(\text{mm}^2)$	0.75
Screw thread	M2.5
Slotted screwdriver size (Blade thickness x Width)(mm)	0.6x3.5
Rated torque (N.m)	0.5
Stripping Length (mm)	6~7

#### Connection data-UL

Rated voltage (UL/CUL Group B)(V)	300
Rated current (UL/CUL Group B)(A)	20
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	24
Max. solid wire connection AWG acc. to UL/CUL	12
Min. stranded wire connection AWG acc. to UL/CUL	24
Max. stranded wire connection AWG acc. to UL/CUL	12

### **Environment & Safety**

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

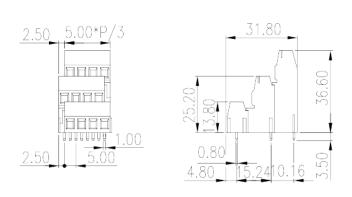
### **UL** Recognized

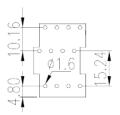
Wire Range (Group B)(AWG)	24~12
Rated voltage (Group B)(V)	300
Rated current (Group B)(A)	20
Wire Range (Group D)(AWG)	24~12
Rated voltage (Group D)(V)	300
Rated current (Group D)(A)	10

## **CUL** Recognized

Wire Range (Group B)(AWG)	24~12
	<u> </u>
Rated voltage (Group B)(V)	300
Rated current (Group B)(A)	20
Wire Ranget (Group D)(AWG)	24~12
Rated voltage (Group D)(V)	300
Rated current (Group D)(A)	10

# Drawings





## Approvals





