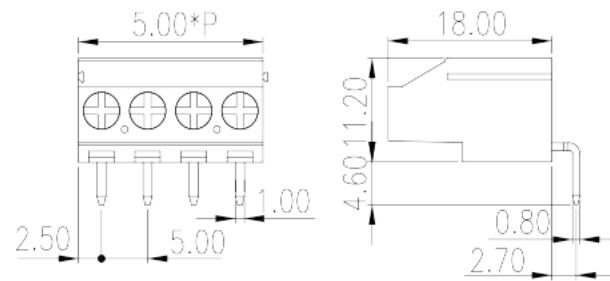


# EHK500R-XXP

PCB Terminal Blocks &gt; PCB Terminal Blocks

Date:2026-01-31 Version: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, 25A

## 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-1)+5.0
Width (mm)	18
Height (mm)	11.2
Pin demensions (Thickness x Width)(mm)	0.8x1.0
PCB hole diameter (mm)	1.6
Number of positions	02P~16P
Level	Single 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)	320
Rated current (A)	24
Rated voltage (II/2)(V)	630
Rated voltage (III/2) (V)	320
Rated voltage (III/3)(V)	320
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> )	0.5
Conductor cross section solid.max (mm <sup>2</sup> )	2.5
Conductor cross section stranded. min (mm <sup>2</sup> )	0.5
Conductor cross section stranded. max (mm <sup>2</sup> )	2.5
Conductor cross section flexible, with min ferrule without plastic sleeve (mm <sup>2</sup> )	0.5
Conductor cross section flexible, with max ferrule without plastic sleeve (mm <sup>2</sup> )	2.5
Conductor cross section flexible, with min ferrule with plastic sleeve (mm <sup>2</sup> )	0.5
Conductor cross section flexible, with max ferrule with plastic sleeve (mm <sup>2</sup> )	2.5
2 conductors with same cross section, solid, min (mm <sup>2</sup> )	0.5
2 conductors with same cross section, solid, max (mm <sup>2</sup> )	1.5
2 conductors with same cross section, stranded, min (mm <sup>2</sup> )	0.5
2 conductors with same cross section, stranded, max (mm <sup>2</sup> )	1.5
2 conductors with same cross section flexible, with min ferrule without plastic sleeve (mm <sup>2</sup> )	0.5
2 conductors with same cross section flexible, with max ferrule without plastic sleeve (mm <sup>2</sup> )	1
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> )	1
Screw thread	M2.5
Slotted screwdriver size (Blade thickness x Width)(mm)	0.6x3.5
Rated torque (N.m)	0.4
Stripping Length (mm)	7~8

## Connection data-UL

Rated voltage (UL/CUL Group B)(V)	300
Rated current (UL/CUL Group B)(A)	25
Rated voltage (UL/CUL Group C)(V)	300
Rated current (UL/CUL Group C)(A)	25
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)	25
Wire Range (Group C)(AWG)	24~12
Rated voltage (Group C)(V)	300
Rated current (Group C)(A)	25

## CUL Recognized

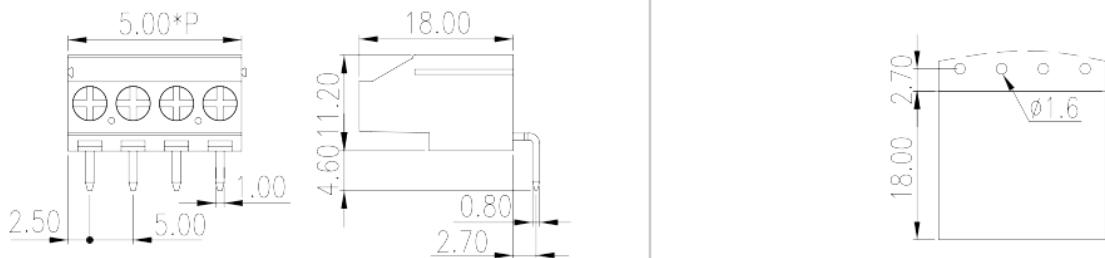
Wire Range (Group B)(AWG)	24~12
Rated voltage (Group B)(V)	300
Rated current (Group B)(A)	25
Wire Range (Group C)(AWG)	24~12

Rated voltage (Group C)(V)	300
Rated current (Group C)(A)	25

## VDE Approval

Wire Range (mm <sup>2</sup> )	0.2~2.5
Rated voltage (V)	250
Rated current (A)	24

## Drawings



## Approvals

