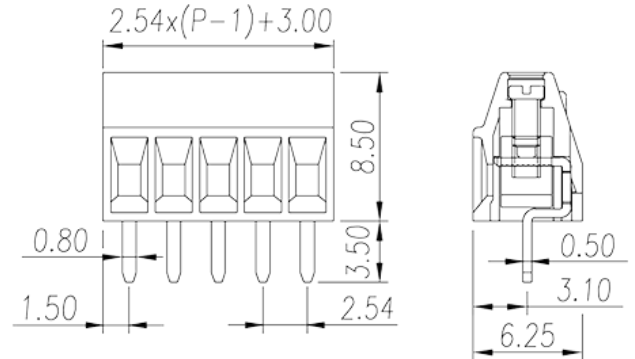


# EK254V-XXP

PCB Terminal Blocks > PCB Terminal Blocks

Date:2018-12-26Version: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 : 2.54mm , 150V , 10A

## General information

|  |  |
|--|--|
| Short description                      | PCB Terminal Blocks , Screw Connection |
| Category                               | PCB Terminal Blocks                    |
| Pitch (mm)                             | 2.54                                   |
| Color                                  | Green(default)                         |
| Connection method                      | Screw Connection                       |
| Type of locking                        | Without                                |
| Length (mm)                            | $2.54 \times (P-1) + 3.00$             |
| Width (mm)                             | 6.25                                   |
| Height (mm)                            | 8.5                                    |
| Pin demensions (Thickness x Width)(mm) | 0.5X0.8                                |
| PCB hole diameter (mm)                 | 1.1                                    |
| Number of positions                    | 02~16                                  |
| Level                                  | Single level                           |

## Material information

|                     |      |
|---------------------|------|
| Insulation material | PA66 |
|---------------------|------|

|  |              |
|--|--------------|
| Insulation material group                    | I            |
| Flame retardant rating , compliant with UL94 | V0           |
| Conductor material                           | Copper Alloy |
| Plating of conductor surface                 | Tinned       |

## Connection data-IEC

|  |      |
|--|------|
| Rated voltage (V)  | 130  |
| Rated current (A)  | 8    |
| Rated voltage (II/2)(V)  | 320  |
| Rated voltage (III/2) (V)  | 160  |
| Rated voltage (III/3)(V)   | 160  |
| Rated impulse voltage (II/2)(KV)   | 2.5  |
| Rated impulse voltage (III/2)(KV)  | 2.5  |
| Rated impulse voltage (III/3)(KV)  | 2.5  |
| Conductor cross section solid. min (mm <sup>2</sup> )  | 0.5  |
| Conductor cross section solid.max (mm <sup>2</sup> )   | 1.5  |
| Conductor cross section stranded. min (mm <sup>2</sup> )                                     | 0.5  |
| 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> ) | 0.5  |
| 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> )    | 0.34 |
| Screw thread   | M1.6 |
| Rated torque (N.m)   | 0.2  |
| Stripping Length (mm)  | 5~6  |

## Connection data-UL

|  |     |
|--|-----|
| Rated voltage (UL/CUL Group B)(V)                | 150 |
| Rated current (UL/CUL Group B)(A)                | 10  |
| Min. solid wire connection (AWG) acc. to UL/CUL  | 28  |
| Max. solid wire connection AWG acc. to UL/CUL    | 16  |
| Min. stranded wire connection AWG acc. to UL/CUL | 28  |
| Max. stranded wire connection AWG acc. to UL/CUL | 16  |

## Environment & Safety

|                                 |     |
|---------------------------------|-----|
| Finger protection (YES or NO)   | YES |
| Operating temperature. max (°C) | 115 |
| Operating temperature. min (°C) | -40 |

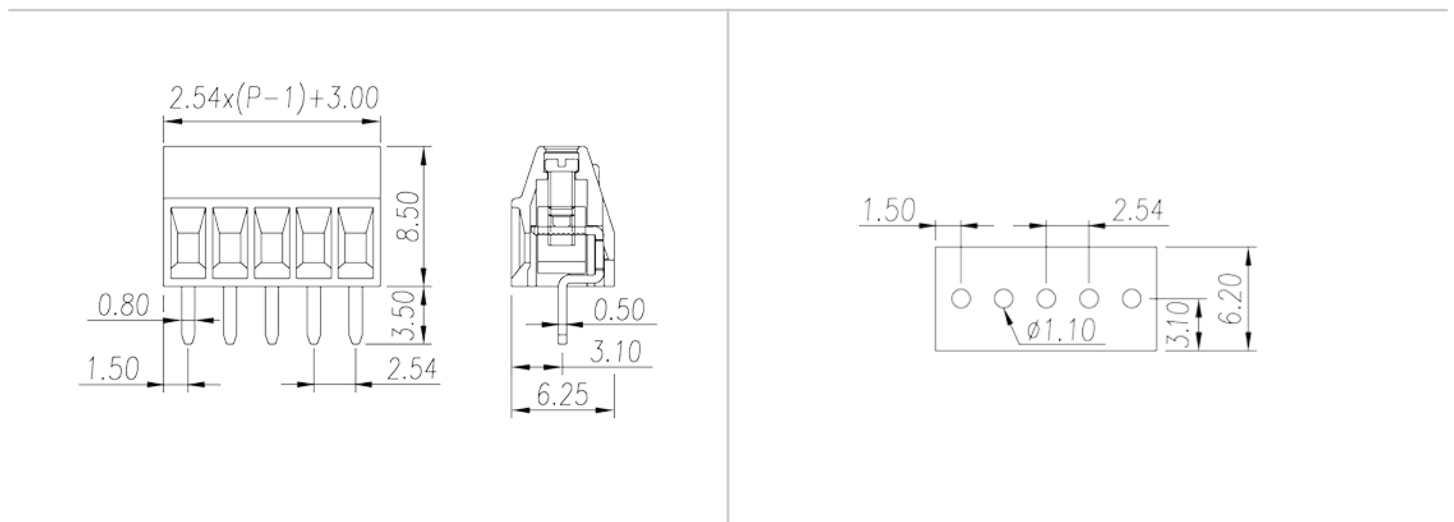
## UL Recognized

|                            |       |
|----------------------------|-------|
| Wire Range (Group B)(AWG)  | 28~16 |
| Rated voltage (Group B)(V) | 150   |
| Rated current (Group B)(A) | 10    |

## CUL Recognized

|                            |       |
|----------------------------|-------|
| Wire Range (Group B)(AWG)  | 28~16 |
| Rated voltage (Group B)(V) | 150   |
| Rated current (Group B)(A) | 10    |

## Drawings



## Approvals

