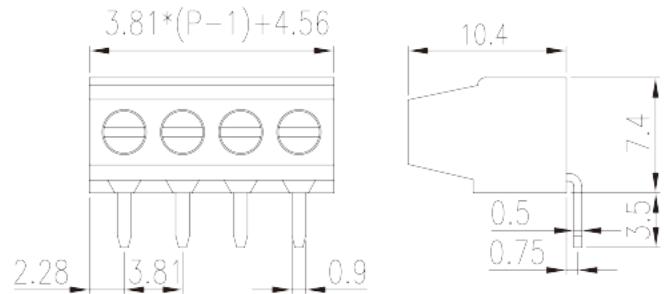


# ESK381R-XXP

PCB Terminal Blocks &gt; PCB Terminal Blocks

Date:2026-02-02 Version:1.1



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 : 3.81mm, 300V, 15A

## General information

|  |                                       |
|--|---------------------------------------|
| Short description                      | PCB Terminal Blocks, Screw Connection |
| Category                               | PCB Terminal Blocks                   |
| Pitch (mm)                             | 3.81                                  |
| Color                                  | Green (default)                       |
| Connection method                      | Screw Connection                      |
| Type of locking                        | Without                               |
| Soldering method                       | Wave Soldering                        |
| Length (mm)                            | 10.4                                  |
| Width (mm)                             | 3.81*(P-1)+4.56                       |
| Height (mm)                            | 7.4                                   |
| Pin demensions (Thickness x Width)(mm) | 0.5x0.9                               |
| PCB hole diameter (mm)                 | 1.3                                   |
| Number of positions                    | 02P~24P                               |
| Level                                  | Single level                          |

## 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)   | 250  |
| Rated current (A)   | 12   |
| Rated voltage (II/2)(V)   | 320  |
| Rated voltage (III/2) (V)   | 250  |
| 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> )   | 0.2  |
| 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> )                                    | 1    |
| 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> ) | 0.75 |

|   |         |
|---|---------|
| 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  | M2      |
| Slotted screwdriver size (Blade thickness x Width)(mm)  | 0.4x2.5 |
| Recommend tightening torque. min (N.m)  | 0.2     |
| Recommend tightening torque. max (N.m)  | 0.25    |
| Stripping Length (mm)   | 5~6     |

## Connection data-UL

|  |     |
|--|-----|
| Rated voltage (UL/CUL Group B)(V)                | 300 |
| Rated current (UL/CUL Group B)(A)                | 15  |
| 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  | 30  |
| Max. solid wire connection AWG acc. to UL/CUL    | 14  |
| Min. stranded wire connection AWG acc. to UL/CUL | 30  |
| Max. stranded wire connection AWG acc. to UL/CUL | 14  |

## Environment & Safety

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

## UL Recognized

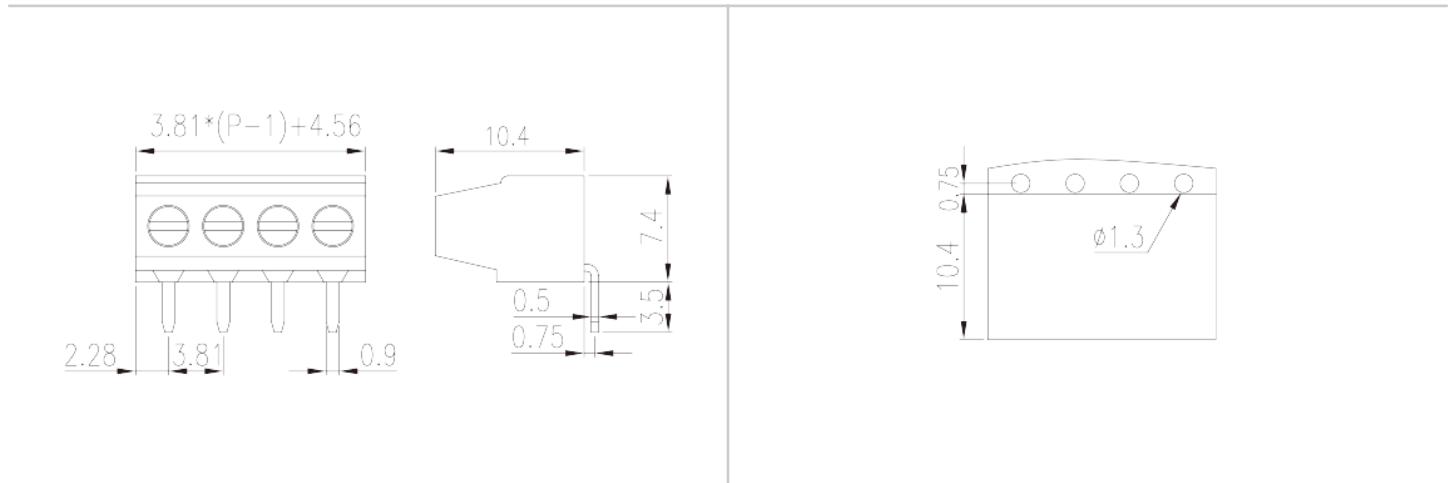
|                            |       |
|----------------------------|-------|
| Wire Range (Group B)(AWG)  | 30~14 |
| Rated voltage (Group B)(V) | 300   |
| Rated current (Group B)(A) | 15    |
| Wire Range (Group D)(AWG)  | 30~14 |
| Rated voltage (Group D)(V) | 300   |
| Rated current (Group D)(A) | 10    |

## CUL Recognized

|                            |       |
|----------------------------|-------|
| Wire Range (Group B)(AWG)  | 30~14 |
| Rated voltage (Group B)(V) | 300   |

|                            |       |
|----------------------------|-------|
| Rated current (Group B)(A) | 15    |
| Wire Range (Group D)(AWG)  | 30~14 |
| Rated voltage (Group D)(V) | 300   |
| Rated current (Group D)(A) | 10    |

## Drawings



## Approvals

