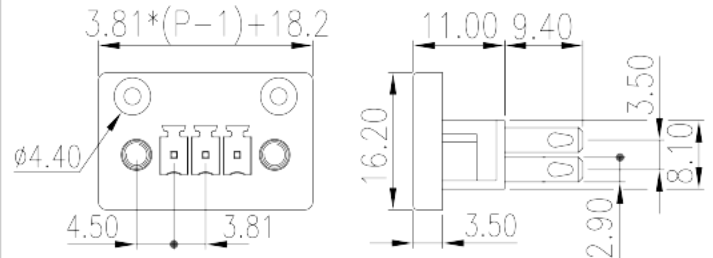
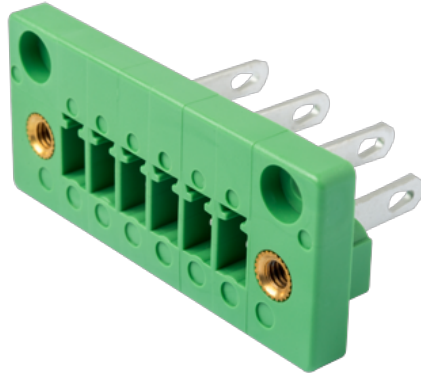


# ECHP381V-XXP

PCB Terminal Blocks &gt; PCB Connector-Socket

Date:2024-05-02Version: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 : 3.81 mm, 300V, 8A

## General information

|  |  |
|--|--|
| Short description                      | PCB Connector – Socket, Wave soldering |
| Category                               | PCB Connector – Socket                 |
| Pitch (mm)                             | 3.81                                   |
| Color                                  | Green (default)                        |
| Type of locking                        | With threaded flange                   |
| Soldering method                       | Iron soldering                         |
| Length (mm)                            | $3.81 \times (P-1) + 18.2$             |
| Width (mm)                             | 16.2                                   |
| Height (mm)                            | 11                                     |
| Pin demensions (Thickness x Width)(mm) | 0.8x2.9                                |
| 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)  | 320  |
| Rated current (A)  | 14   |
| 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> )    | 0.14 |
| Conductor cross section solid.max (mm <sup>2</sup> )     | 1.5  |
| Conductor cross section stranded. min (mm <sup>2</sup> ) | 0.14 |
| Conductor cross section stranded. max (mm <sup>2</sup> ) | 1.5  |

## Connection data-UL

|   |     |
|---|-----|
| Rated voltage (UL/CUL Group B)(V)               | 300 |
| Rated current (UL/CUL Group B)(A)               | 8   |
| Rated voltage (UL/CUL Group D)(V)               | 300 |
| Rated current (UL/CUL Group D)(A)               | 8   |
| Min. solid wire connection (AWG) acc. to UL/CUL | 28  |
| Max. solid 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

|                            |     |
|----------------------------|-----|
| Rated voltage (Group B)(V) | 300 |
| Rated current (Group B)(A) | 8   |

|                            |     |
|----------------------------|-----|
| Rated voltage (Group D)(V) | 300 |
| Rated current (Group D)(A) | 8   |

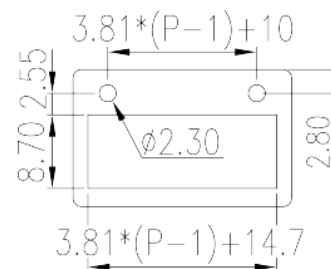
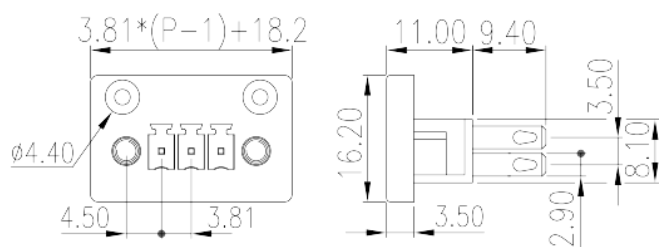
## CUL Recognized

|                            |     |
|----------------------------|-----|
| Rated voltage (Group B)(V) | 300 |
| Rated current (Group B)(A) | 8   |
| Rated voltage (Group D)(V) | 300 |
| Rated current (Group D)(A) | 8   |

## VDE Approval

|                   |     |
|-------------------|-----|
| Rated voltage (V) | 320 |
| Rated current (A) | 14  |

## Drawings



## Approvals

