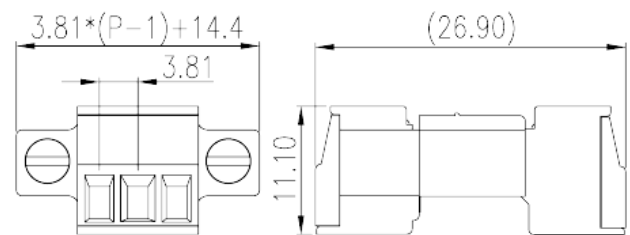


# ECSH381VM- XXPQK01

PCB Terminal Blocks &gt; PCB Connector-Socket

Date:2026-04-07



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

300V, 8A, Green (default)

## General information

|                     |                                 |
|---------------------|---------------------------------|
| Short description   | PCB Connector, Screw Connection |
| Pitch (mm)          | 3.5                             |
| Color               | Green (default)                 |
| Connection method   | Screw Connection                |
| Length (mm)         | $3.81*(P-1)+14.4$               |
| Width (mm)          | 26.9                            |
| Height (mm)         | 11.1                            |
| Number of positions | 02P~24P                         |
| Level               | Single level                    |
| Connection points   | 2~24                            |

## Material information

|                           |    |
|---------------------------|----|
| Insulation material       | PA |
| Insulation material group | I  |

|  |                                     |
|--|-------------------------------------|
| Flame retardant rating , compliant with UL94 | V0                                  |
| Insulation resistance                        | $\geq 500\text{M}\Omega$ at DC 500V |
| Conductor material                           | COPPER ALLOY                        |
| Plating of conductor surface                 | Tin PLATED                          |

## Connection data-IEC

|   |      |
|---|------|
| Rated voltage (V)   | 320  |
| Rated current (A)   | 12   |
| 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> )   | 0.2  |
| 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> )              | 1.5  |
| 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> )                 | 0.5  |
| 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> )                                    | 0.75 |
| 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> ) | 0.34 |
| 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> )   | 0.5  |

|  |         |
|--|---------|
| 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    |
| Tightening torque with flange. max (N.m)               | 0.3     |
| Stripping Length (mm)                                  | 6~7     |

## 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  | 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

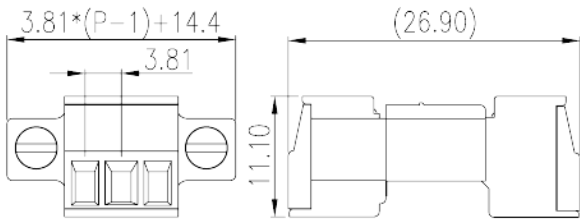
|                            |       |
|----------------------------|-------|
| Wire Range (Group B)(AWG)  | 30~14 |
| Rated voltage (Group B)(V) | 300   |
| Rated current (Group B)(A) | 8     |
| Wire Range (Group D)(AWG)  | 30~14 |
| Rated voltage (Group D)(V) | 300   |
| Rated current (Group D)(A) | 8     |

## CUL Recognized

|                            |       |
|----------------------------|-------|
| Wire Range (Group B)(AWG)  | 30~14 |
| Rated voltage (Group B)(V) | 300   |
| Rated current (Group B)(A) | 8     |
| Wire Ranget (Group D)(AWG) | 30~14 |

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

## Drawings



## Approvals

