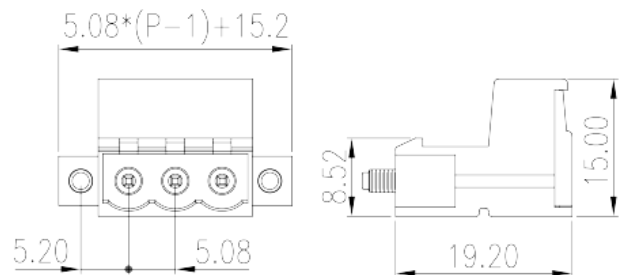
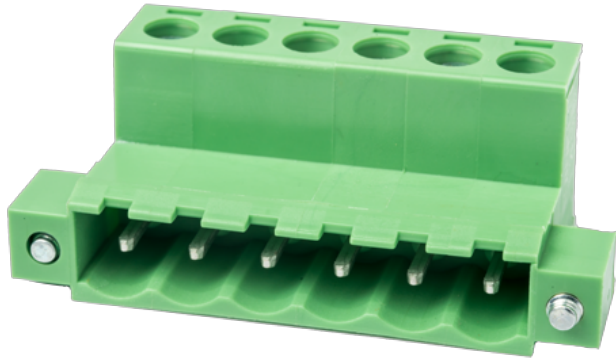


# 2ESHM-XXP

PCB Terminal Blocks &gt; PCB Connector-Socket

Date:2026-04-06Version: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 : 5.08 mm, 300V, 12A

## General information

|                     |  |
|---------------------|--|
| Short description   | PCB Connector – Socket, Screw Connection |
| Category            | PCB Connector – Socket                   |
| Pitch (mm)          | 5.08                                     |
| Color               | Green (default)                          |
| Connection method   | Screw Connection                         |
| Type of locking     | With screw flange                        |
| Length (mm)         | $5.08*(P-1)+6.58$                        |
| Width (mm)          | 19.2                                     |
| Height (mm)         | 15                                       |
| Number of positions | 02P~12P                                  |
| 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)   | 600     |
| Rated voltage (III/2) (V)   | 320     |
| Rated voltage (III/3)(V)  | 250     |
| 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> )  | 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> )            | 0.25    |
| 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> )               | 0.25    |
| Conductor cross section flexible, with max ferrule with plastic sleeve (mm <sup>2</sup> )               | 1.5     |
| 2 conductors with same cross section, solid, max (mm <sup>2</sup> )                                     | 1.5     |
| 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 |
| Philips screwdriver size  | PH1     |
| Rated torque (N.m)  | 0.5     |
| Stripping Length (mm)   | 7~8     |

## Connection data-UL

|                                   |     |
|-----------------------------------|-----|
| Rated voltage (UL/CUL Group B)(V) | 300 |
|-----------------------------------|-----|

|  |    |
|--|----|
| Rated current (UL/CUL Group B)(A)                | 12 |
| 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 |

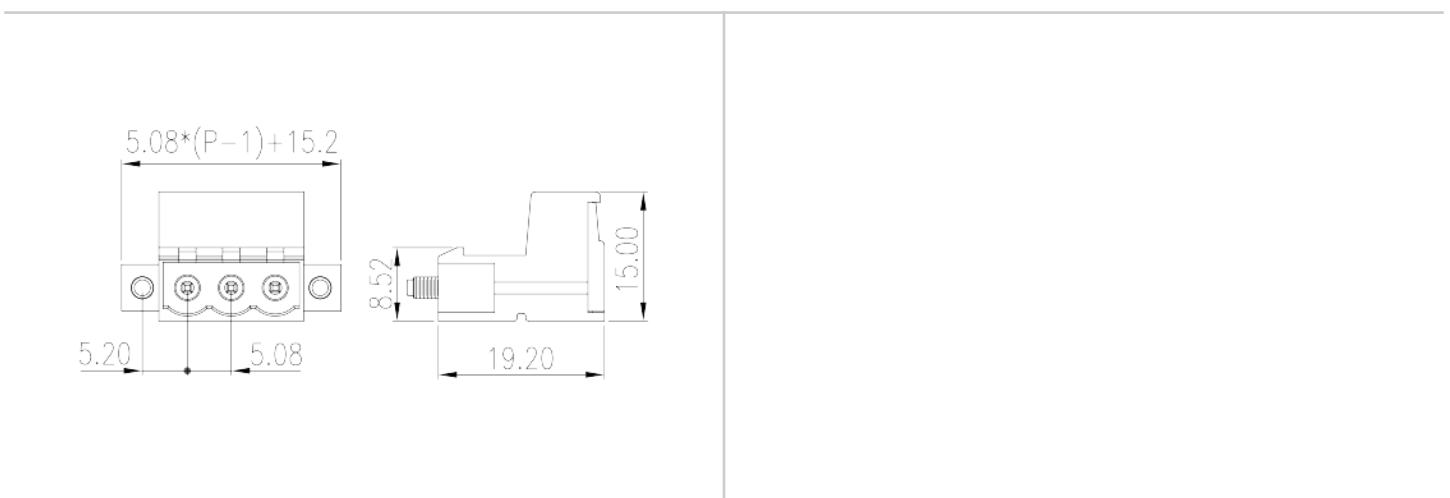
## UL Recognized

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

## CUL Recognized

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

## Drawings



## Approvals

