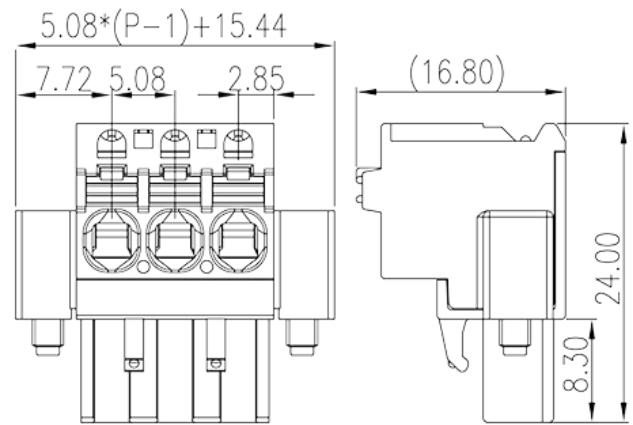


# 2ESDSVM-XXP

PCB Terminal Blocks &gt; PCB Connector-Plug

Date:2025-08-24Version: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, 10A

## General information

|                     |                                      |
|---------------------|--------------------------------------|
| Short description   | PCB Connector – Plug, Push-in design |
| Category            | PCB Connector – Plug                 |
| Pitch (mm)          | 5.08                                 |
| Color               | Black (default)                      |
| Connection method   | Push in Design                       |
| Type of locking     | With screw flange                    |
| Length (mm)         | $5.08 \times (P-1) + 15.44$          |
| Width (mm)          | 16.8                                 |
| Height (mm)         | 24                                   |
| 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)   | 630   |
| Rated current (A)   | 18    |
| Rated voltage (II/2)(V)   | 630   |
| Rated voltage (III/2) (V)   | 320   |
| Rated voltage (III/3)(V)  | 250   |
| Rated impulse voltage (II/2)(KV)  | 4     |
| Rated impulse voltage (III/2)(KV)   | 4     |
| Rated impulse voltage (III/3)(KV)   | 4     |
| Conductor cross section solid. min (mm <sup>2</sup> )   | 0.2   |
| Conductor cross section solid.max (mm <sup>2</sup> )  | 2.5   |
| Conductor cross section stranded. min (mm <sup>2</sup> )  | 0.2   |
| 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> )                 | 2.5   |
| 2 conductors with same cross section, solid, max (mm <sup>2</sup> )                                       | 1.5   |
| 2 conductors with same cross section, stranded, max (mm <sup>2</sup> )                                    | 1.5   |
| 2 conductors with same cross section flexible, with min ferrule without plastic sleeve (mm <sup>2</sup> ) | 0.5   |
| 2 conductors with same cross section flexible, with max ferrule without plastic sleeve (mm <sup>2</sup> ) | 1     |
| 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     |
| Stripping Length (mm)   | 12~13 |

## Connection data-UL

|  |     |
|--|-----|
| Rated voltage (UL/CUL Group B)(V)                | 300 |
| Rated current (UL/CUL Group B)(A)                | 10  |
| Min. solid wire connection (AWG) acc. to UL/CUL  | 26  |
| Max. solid wire connection AWG acc. to UL/CUL    | 12  |
| Min. stranded wire connection AWG acc. to UL/CUL | 26  |
| Max. stranded wire connection AWG acc. to UL/CUL | 12  |

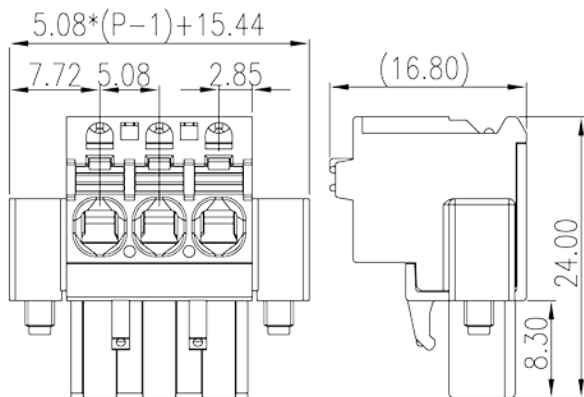
## Environment & Safety

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

## VDE Approval

|                               |         |
|-------------------------------|---------|
| Wire Range (mm <sup>2</sup> ) | 0.2~2.5 |
| Rated voltage (V)             | 630     |
| Rated current (A)             | 18      |

## Drawings



## Approvals

