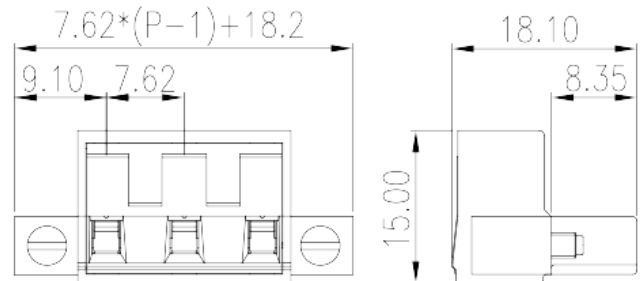


# 3ESDVNM-XXP

PCB Terminal Blocks &gt; PCB Connector-Plug

Date:2026-04-06



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 : 7.62mm, M2.5, 300V, 15A

## General information

|                     |                                      |
|---------------------|--------------------------------------|
| Short description   | PCB Connector-Plug, Screw Connection |
| Category            | PCB Connector – Plug                 |
| Pitch (mm)          | 7.62                                 |
| Color               | Green (default)                      |
| Connection method   | Screw Connection                     |
| Type of locking     | With screw flange                    |
| Length (mm)         | $7.62 \times (P-1) + 18.2$           |
| Width (mm)          | 18.1                                 |
| 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        | $\geq 500\text{M}\Omega$ at DC 500V |
| Conductor material           | COPPER ALLOY                        |
| Plating of conductor surface | Tin PLATED                          |

## Connection data-IEC

|   |      |
|---|------|
| Rated voltage (V)   | 800  |
| Rated current (A)   | 18   |
| Rated voltage (II/2)(V)   | 800  |
| Rated voltage (III/2) (V)   | 630  |
| Rated voltage (III/3)(V)  | 500  |
| Rated impulse voltage (II/2)(KV)  | 6    |
| Rated impulse voltage (III/2)(KV)   | 6    |
| Rated impulse voltage (III/3)(KV)   | 6    |
| Conductor cross section solid. min (mm <sup>2</sup> )   | 0.2  |
| Conductor cross section solid.max (mm <sup>2</sup> )  | 4    |
| 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, min (mm <sup>2</sup> )                                       | 0.2  |
| 2 conductors with same cross section, solid, max (mm <sup>2</sup> )                                       | 1.5  |
| 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> )                                    | 1.5  |
| 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> ) | 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> )   | 1.5  |

|  |         |
|--|---------|
| Screw thread   | M2.5    |
| Slotted screwdriver size (Blade thickness x Width)(mm) | 0.6x3.5 |
| Recommend tightening torque. min (N.m)                 | 0.4     |
| Recommend tightening torque. max (N.m)                 | 0.5     |
| Tightening torque with flange. max (N.m)               | 0.3     |
| Stripping Length (mm)                                  | 7~8     |

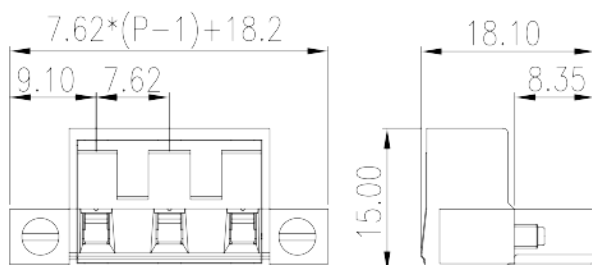
## Connection data-UL

|  |     |
|--|-----|
| 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  | 28  |
| Max. solid wire connection AWG acc. to UL/CUL    | 12  |
| Min. stranded wire connection AWG acc. to UL/CUL | 30  |
| 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 |

## Drawings



## Approvals

