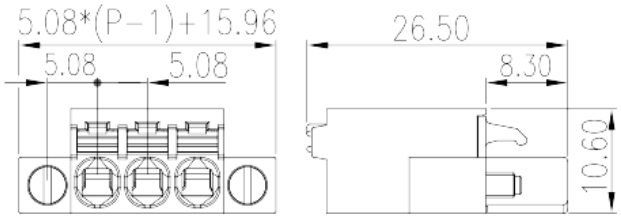
# 2ESSM-XXP

PCB Terminal Blocks > PCB Connector-Plug

Date:2026-11-12Version: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, 15A

## 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*(P-1)+15.96 |
| Width (mm) | 10.6 |
| Height (mm) | 26.5 |
| Number of positions | 02P~24P |
| Level | Single level |

## Material information

| | |
|---|---|
| Insulation material | PA |
| Insulation material group | I |
| Flame retardant rating , compliant with UL94 | V0 |


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| | |
|---|---|
| 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) | 320 |
| 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 (mm²) | 0.2 |
| Conductor cross section solid.max (mm²) | 2.5 |
| Conductor cross section stranded. min (mm²) | 0.2 |
| Conductor cross section stranded. max (mm²) | 2.5 |
| Conductor cross section flexible, with min ferrule without plastic sleeve (mm²) | 0.25 |
| Conductor cross section flexible, with max ferrule without plastic sleeve (mm²) | 2.5 |
| Conductor cross section flexible, with min ferrule with plastic sleeve (mm²) | 0.25 |
| Conductor cross section flexible, with max ferrule with plastic sleeve (mm²) | 2.5 |
| 2 conductors with same cross section flexible, min twin ferrules with plastic sleeve (mm²) | 0.5 |
| 2 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²) | 1 |
| Philips screwdriver size | 0.6x3.5 |
| Tightening torque with flange. max (N.m) | 0.3 |
| Stripping Length (mm) | 10~11 |

## 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 |


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| | |
|---|---|
| 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) | 15 |
| Wire Range (Group D)(AWG) | 24~12 |
| Rated voltage (Group D)(V) | 300 |
| Rated current (Group D)(A) | 10 |

## CUL Recognized

| | |
|---|---|
| Wire Range (Group B)(AWG) | 24~12 |
| Rated voltage (Group B)(V) | 300 |
| Rated current (Group B)(A) | 15 |
| Wire Ranget (Group D)(AWG) | 24~12 |
| Rated voltage (Group D)(V) | 300 |
| Rated current (Group D)(A) | 10 |

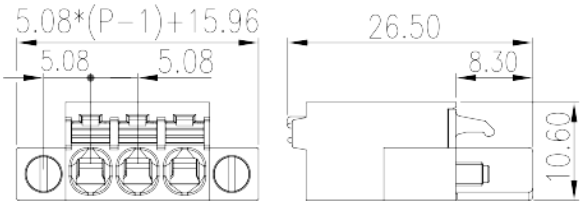
## VDE Approval

| | |
|---|---|
| Wire Range ($mm^2$) | 0.2~2.5 |
| Rated voltage (V) | 630 |
| Rated current (A) | 18 |

## Drawings

| | |
|---|---|
| | |


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## Approvals


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