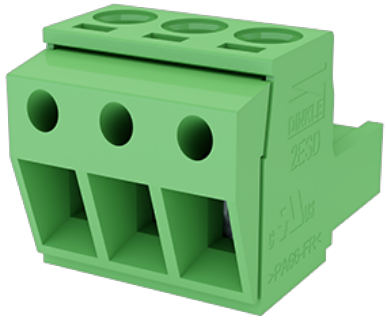
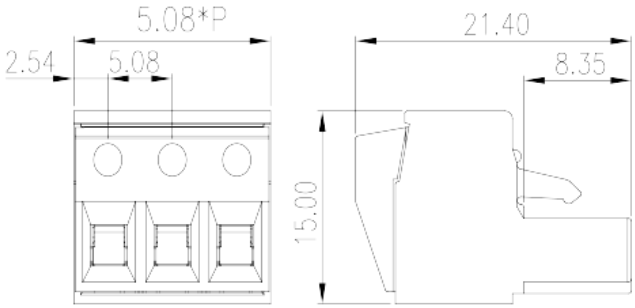
# 2ESDVS-XXP

PCB Terminal Blocks > PCB Connector-Plug

Date:2025-06-23






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 :5.08mm, M2.5, 300V, 15A

## General information

| | |
|---|---|
| Short description | PCB Connector-Plug, Screw Connection |
| Category | PCB Connector – Plug |
| Pitch (mm) | 5.08 |
| Color | Green (default) |
| Connection method | Screw Connection |
| Type of locking | Without |
| Length (mm) | 15.24 |
| Width (mm) | 21.4 |
| Height (mm) | 15 |
| Number of positions | 03P |
| Level | Single level |
| Connection points | 3 |

## 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) | 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 ($mm^2$) | 0.2 |
| Conductor cross section solid.max ($mm^2$) | 4 |
| Conductor cross section stranded. min ($mm^2$) | .2 |
| Conductor cross section stranded. max ($mm^2$) | 2.5 |
| Conductor cross section flexible, with min ferrule without plastic sleeve ($mm^2$) | 0.2 |
| Conductor cross section flexible, with max ferrule without plastic sleeve ($mm^2$) | 2.5 |
| Conductor cross section flexible, with min ferrule with plastic sleeve ($mm^2$) | 0.25 |
| Conductor cross section flexible, with max ferrule with plastic sleeve ($mm^2$) | 2.5 |
| 2 conductors with same cross section, solid, min ($mm^2$) | 0.2 |
| 2 conductors with same cross section, solid, max ($mm^2$) | 1 |
| 2 conductors with same cross section, stranded, min ($mm^2$) | 0.2 |
| 2 conductors with same cross section, stranded, max ($mm^2$) | 1.5 |
| 2 conductors with same cross section flexible, with min ferrule without plastic sleeve ($mm^2$) | 0.25 |
| 2 conductors with same cross section flexible, with max ferrule without plastic sleeve ($mm^2$) | 1 |
| 2 conductors with same cross section flexible, min twin ferrules with plastic sleeve ($mm^2$) | 0.5 |
| 2 conductors with same cross section flexible, max twin ferrules with plastic sleeve ($mm^2$) | 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) | 0.6 |
| 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 | 28 |
| 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

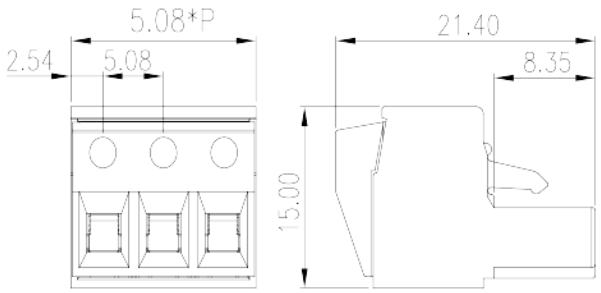
| | |
|---|---|
| Wire Range (Group B)(AWG) | 28~12(sol) ; 30~12(str) |
| Rated voltage (Group B)(V) | 300 |
| Rated current (Group B)(A) | 15 |
| Wire Range (Group D)(AWG) | 28~12(sol) ; 30~12(str) |
| Rated voltage (Group D)(V) | 300 |
| Rated current (Group D)(A) | 10 |

## CUL Recognized

| | |
|---|---|
| Wire Range (Group B)(AWG) | 28~12(sol) ; 30~12(str) |
| Rated voltage (Group B)(V) | 300 |
| Rated current (Group B)(A) | 15 |
| Wire Ranget (Group D)(AWG) | 28~12(sol) ; 30~12(str) |
| Rated voltage (Group D)(V) | 300 |

| | |
|---|---|
| Rated current (Group D)(A) | 10 |

## Drawings




## Approvals