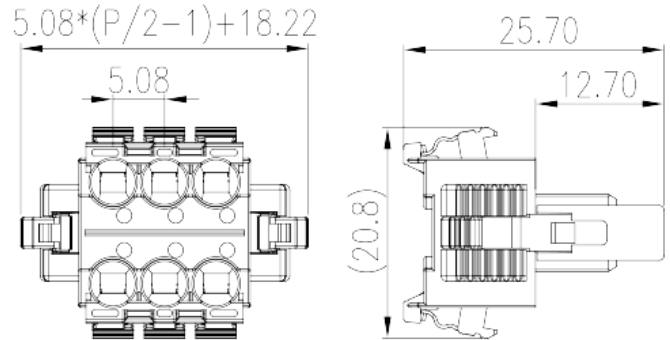


0229-F5XX

PCB Terminal Blocks > PCB Connector-Plug

Date:2025-12-11



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-Plug, Push-in Design |
| Category | PCB Connector – Plug |
| Pitch (mm) | 5.08 |
| Color | Black (default) |
| Connection method | Push in Design |
| Type of locking | With lock flange |
| Length (mm) | $5.08*(P/2-1)+18.16$ |
| Width (mm) | 20.8 |
| Height (mm) | 25.7 |
| Number of positions | 04P~40P |
| Level | 2 |

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 | HIGH PERFORMANCE COPPER ALLOY |
| Plating of conductor surface | Tin PLATED |

Connection data-IEC

| | |
|--|---------|
| Rated voltage (V) | 320 |
| Rated current (A) | 14 |
| Rated voltage (II/2)(V) | 320 |
| Rated voltage (III/2) (V) | 160 |
| Rated voltage (III/3)(V) | 160 |
| 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 ²) | 0.2 |
| Conductor cross section solid.max (mm ²) | 1.5 |
| Conductor cross section stranded. min (mm ²) | 0.2 |
| Conductor cross section stranded. max (mm ²) | 1.5 |
| Conductor cross section flexible, with min ferrule without plastic sleeve (mm ²) | 0.25 |
| Conductor cross section flexible, with max ferrule without plastic sleeve (mm ²) | 1.5 |
| 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) | 1.5 |
| Slotted screwdriver size (Blade thickness x Width)(mm) | 0.6x3.5 |
| Stripping Length (mm) | 8~9 |

Connection data-UL

| | |
|--|-----|
| Rated voltage (UL/CUL Group B)(V) | 300 |
| Rated current (UL/CUL Group B)(A) | 12 |
| 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 | 14 |
| Min. stranded wire connection AWG acc. to UL/CUL | 28 |
| Max. stranded wire connection AWG acc. to UL/CUL | 14 |

Environment & Safety

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

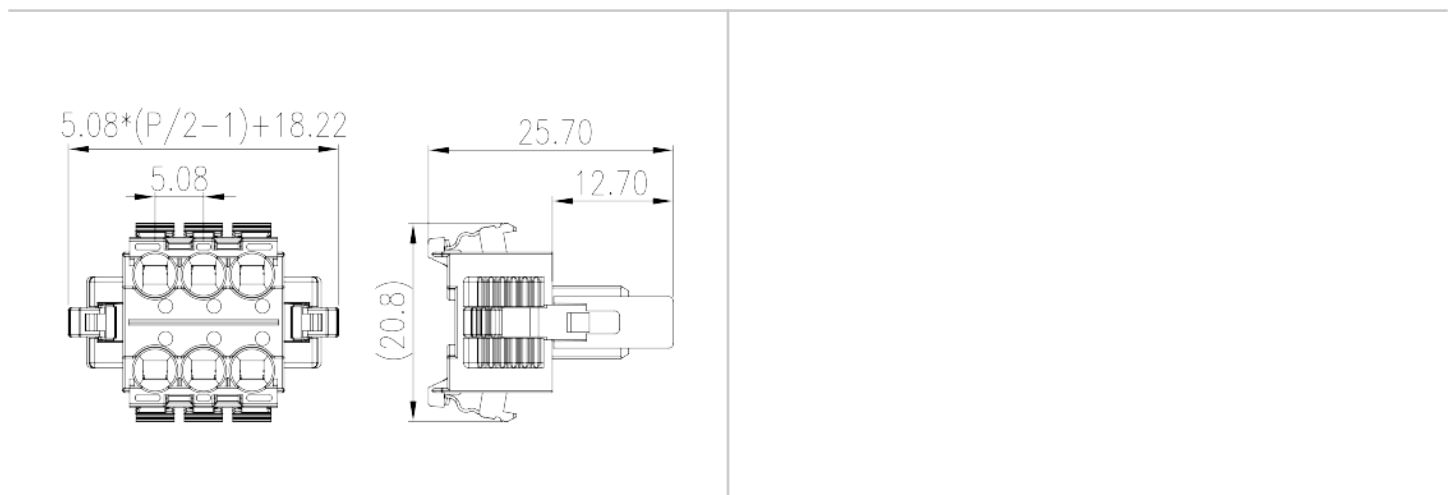
UL Recognized

| | |
|----------------------------|-------|
| Wire Range (Group B)(AWG) | 28~14 |
| Rated voltage (Group B)(V) | 300 |
| Rated current (Group B)(A) | 12 |
| Wire Range (Group D)(AWG) | 28~14 |
| Rated voltage (Group D)(V) | 300 |
| Rated current (Group D)(A) | 10 |

CUL Recognized

| | |
|----------------------------|-------|
| Wire Range (Group B)(AWG) | 28~14 |
| Rated voltage (Group B)(V) | 300 |
| Rated current (Group B)(A) | 12 |
| Wire Ranget (Group D)(AWG) | 28~14 |
| Rated voltage (Group D)(V) | 300 |
| Rated current (Group D)(A) | 10 |

Drawings



Approvals

