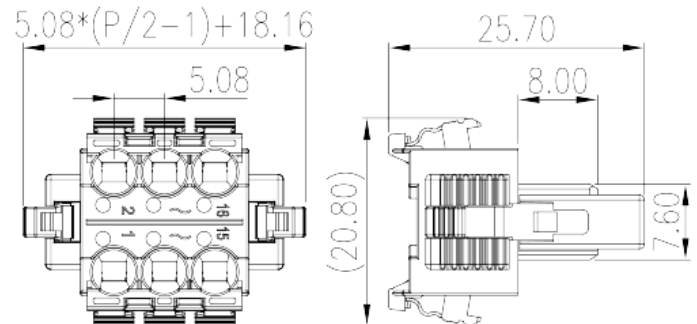


# 0229-F5XXY

PCB Terminal Blocks &gt; PCB Connector-Plug

Date:2025-07-13



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)         | $5.08 \times (P/2 - 1) + 18.16$    |
| 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 <sup>2</sup> )  | 0.2     |
| Conductor cross section solid.max (mm <sup>2</sup> )   | 1.5     |
| Conductor cross section stranded. min (mm <sup>2</sup> )                                     | 0.2     |
| Conductor cross section stranded. max (mm <sup>2</sup> )                                     | 1.5     |
| 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> ) | 1.5     |
| 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> )    | 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 |

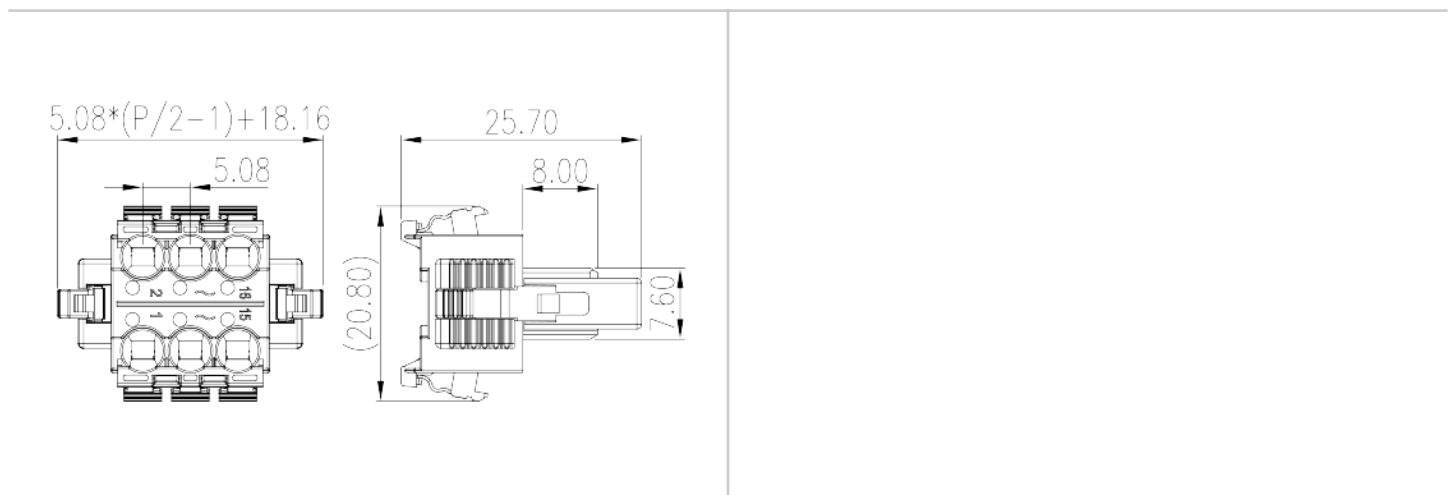
## UL Recognized

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

