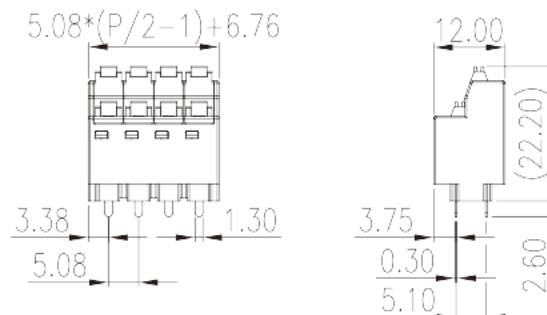


# 0228-21XX

PCB Terminal Blocks > PCB Terminal Blocks

Date:2025-09-10



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, 8A

## General information

|  |  |
|--|--|
| Short description                      | PCB Terminal Blocks, Spring Clamp Connection |
| Category                               | PCB Terminal Blocks                          |
| Pitch (mm)                             | 5.08   |
| Color                                  | Black (default)                              |
| Connection method                      | Spring Clamp Connection                      |
| Type of locking                        | Without                                      |
| Soldering method                       | Wave soldering                               |
| Length (mm)                            | $5.08 \times (P/2 - 1) + 6.76$               |
| Width (mm)                             | 12.0   |
| Height (mm)                            | 22.2   |
| Pin dimensions (Thickness x Width)(mm) | 0.3x1.3                                      |
| PCB hole diameter (mm)                 | 0.6x1.8                                      |
| Number of positions                    | 04P~40P                                      |

## 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)   | 320     |
| Rated current (A)   | 10      |
| Rated voltage (II/2)(V)   | 630     |
| Rated voltage (III/2) (V)   | 320     |
| Rated voltage (III/3)(V)  | 250     |
| 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)   | 1.5     |
| Conductor cross section stranded. min (mm²)                                     | 0.2     |
| Conductor cross section stranded. max (mm²)                                     | 1.5     |
| Conductor cross section flexible, with min ferrule without plastic sleeve (mm²) | 0.25    |
| Conductor cross section flexible, with max ferrule without plastic sleeve (mm²) | 1.0     |
| Conductor cross section flexible, with min ferrule with plastic sleeve (mm²)    | 0.25    |
| Conductor cross section flexible, with max ferrule with plastic sleeve (mm²)    | 1.0     |
| Philips screwdriver size  | 0.4x2.5 |
| Stripping Length (mm)   | 8~9     |

## Connection data-UL

|   |     |
|---|-----|
| Rated voltage (UL/CUL Group B)(V)               | 300 |
| Rated current (UL/CUL Group B)(A)               | 8   |
| Rated voltage (UL/CUL Group D)(V)               | 300 |
| Rated current (UL/CUL Group D)(A)               | 8   |
| Min. solid wire connection (AWG) acc. to UL/CUL | 28  |
| Max. solid wire connection AWG acc. to UL/CUL   | 16  |

## Environment & Safety

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

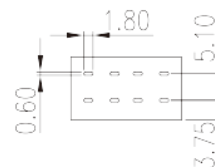
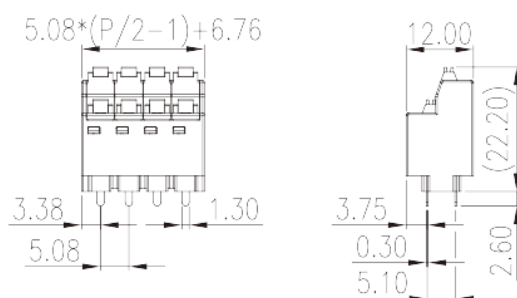
## UL Recognized

|                            |       |
|----------------------------|-------|
| Wire Range (Group B)(AWG)  | 28~16 |
| Rated voltage (Group B)(V) | 300   |
| Rated current (Group B)(A) | 8     |
| Wire Range (Group D)(AWG)  | 28~16 |
| Rated voltage (Group D)(V) | 300   |
| Rated current (Group D)(A) | 8     |

## CUL Recognized

|                            |       |
|----------------------------|-------|
| Wire Range (Group B)(AWG)  | 28~16 |
| Rated voltage (Group B)(V) | 300   |
| Rated current (Group B)(A) | 8     |
| Wire Range (Group D)(AWG)  | 28~16 |
| Rated voltage (Group D)(V) | 300   |
| Rated current (Group D)(A) | 8     |

## Drawings



## Approvals

