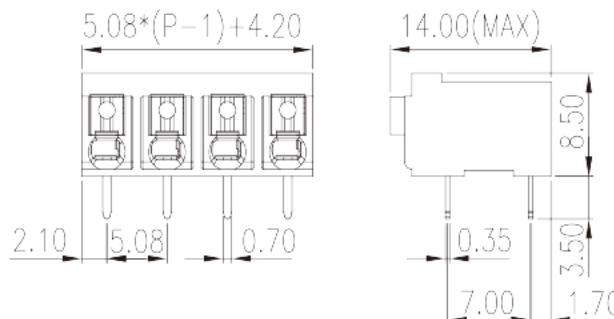


# 0138-61XXL

PCB Terminal Blocks > PCB Terminal Blocks

Date:2026-04-06



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 Terminal Blocks, Push-in Design   |
| Category                               | PCB Terminal Blocks   |
| Pitch (mm)                             | 5.08  |
| Color                                  | Black (default)   |
| Connection method                      | Push in Design  |
| Type of locking                        | Without   |
| Soldering method                       | Reflow Soldering (Temperature condition according to standard IPC/JEDEC J-STD-020E) |
| Length (mm)                            | $5.08 \times (P-1) + 4.2$   |
| Width (mm)                             | 14  |
| Height (mm)                            | 8.5   |
| Pin demensions (Thickness x Width)(mm) | 0.35x0.7  |
| PCB hole diameter (mm)                 | 1.0~1.1   |
| Number of positions                    | 02P~24P   |
| Level                                  | Single level  |
| Connection points                      | 1   |

## Material information

|  |                           |
|--|---------------------------|
| Insulation material                          | HIGH-TEMPERATURE PLASTICS |
| Insulation material group                    | IIIa                      |
| Flame retardant rating , compliant with UL94 | V0                        |
| Insulation resistance                        | □500MΩ at DC 500V         |
| Conductor material                           | COPPER ALLOY              |
| Plating of conductor surface                 | Tin PLATED                |
| MSL  | 1                         |

## Connection data-IEC

|  |         |
|--|---------|
| Rated voltage (V)  | 320     |
| Rated current (A)  | 17.5    |
| Rated voltage (II/2)(V)  | 500     |
| 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 (mm <sup>2</sup> )  | 0.14    |
| Conductor cross section solid.max (mm <sup>2</sup> )   | 1.5     |
| Conductor cross section stranded. min (mm <sup>2</sup> )                                     | 0.14    |
| 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)                                       | 0.4x2.5 |
| Stripping Length (mm)  | 8~9     |

## Connection data-UL

|                                   |     |
|-----------------------------------|-----|
| Rated voltage (UL/CUL Group B)(V) | 300 |
| Rated current (UL/CUL Group B)(A) | 12  |

|  |     |
|--|-----|
| Rated voltage (UL/CUL Group D)(V)                | 300 |
| Rated current (UL/CUL Group D)(A)                | 12  |
| 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

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

## UL Recognized

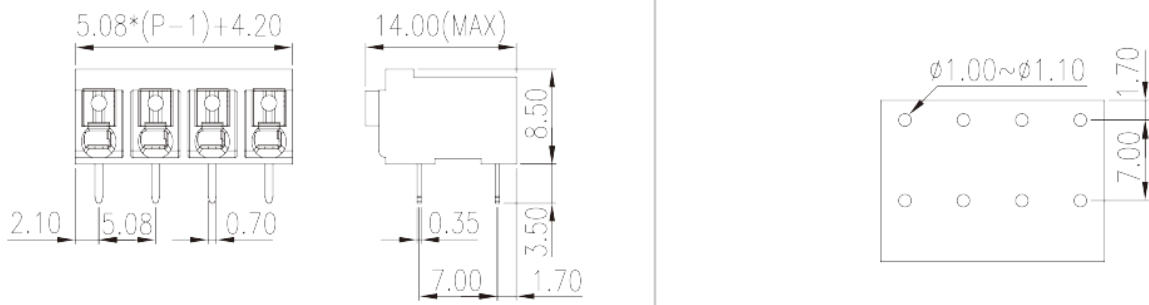
|                            |       |
|----------------------------|-------|
| Wire Range (Group B)(AWG)  | 28~14 |
| Rated voltage (Group B)(V) | 300   |
| Rated current (Group B)(A) | 12    |
| Wire Range (Group D)(AWG)  | 28~14 |
| Rated voltage (Group D)(V) | 300   |
| Rated current (Group D)(A)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

## 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) | 12    |

## Drawings

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



## Approvals

