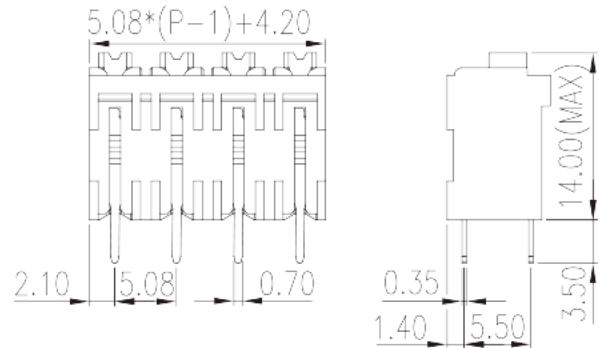
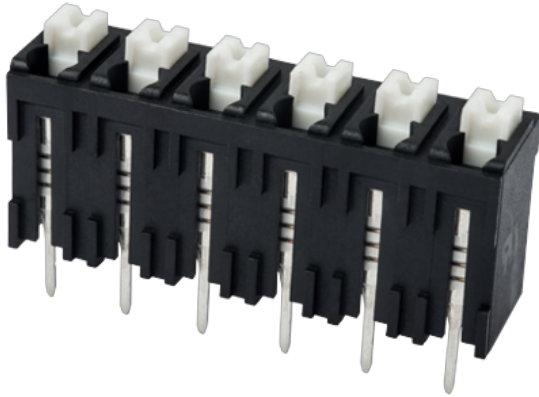


# 0138-60XX

PCB Terminal Blocks &gt; PCB Terminal Blocks

Date:2026-03-25



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                       | Wave Soldering                      |
| Length (mm)                            | $5.08 \times (P-1) + 4.2$           |
| Width (mm)                             | 8.5                                 |
| Height (mm)                            | 14                                  |
| Pin dimensions (Thickness x Width)(mm) | 0.35x0.7                            |
| PCB hole diameter (mm)                 | 1.0~1.1                             |
| Number of positions                    | 02P~18P                             |
| Level                                  | Single level                        |
| Connection points                      | 1                                   |

## Material information

|                                              |                    |
|----------------------------------------------|--------------------|
| Insulation material                          | PBT                |
| Insulation material group                    | IIIa               |
| Flame retardant rating , compliant with UL94 | V0                 |
| Insulation resistance                        | □1000MΩ at DC 500V |
| Conductor material                           | COPPER ALLOY       |
| Plating of conductor surface                 | Tin PLATED         |

## 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

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

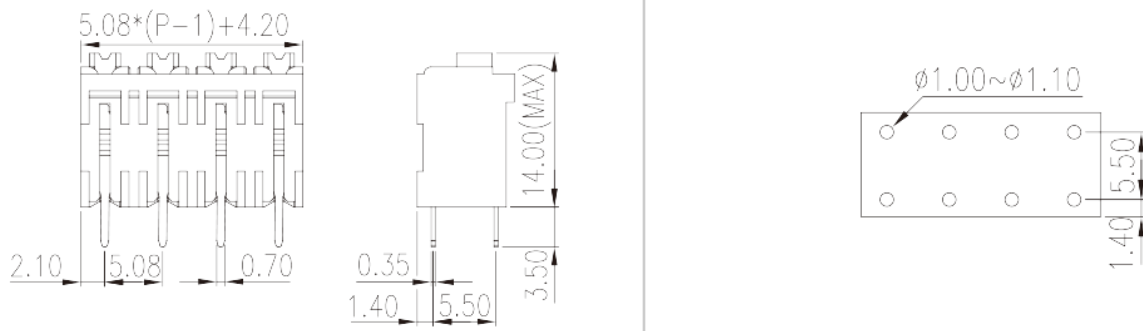
|                            |       |
|----------------------------|-------|
| Wire Range (Group B)(AWG)  | 28~14 |
| Rated voltage (Group B)(V) | 300   |
| Rated current (Group B)(A) | 12    |
| Wire Range (Group D)(AWG)  | 28~14 |
| Rated voltage (Group D)(V) | 300   |
| Rated current (Group D)(A)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

