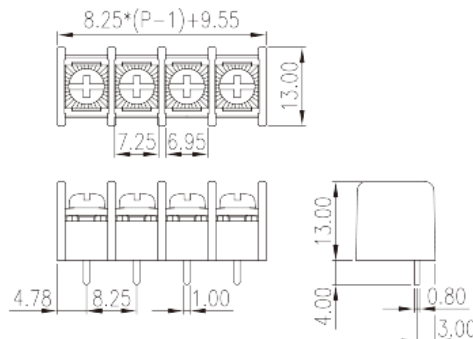


# DT-31-B01W-XX

Barrier Terminal Blocks > Single Row

Date:2025-09-03Version:1.1



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: 8.25mm, #6-32, 300V, 20A

## General information

|  |   |
|--|---|
| Short description                      | Barrier terminal blocks, Screw connection |
| Category                               | Single Row                                |
| Pitch (mm)                             | 8.25                                      |
| Color                                  | Black (default)                           |
| Connection method                      | Screw connection                          |
| Type of locking                        | Without                                   |
| Soldering method                       | Wave Soldering                            |
| Length (mm)                            | $8.25 \times (P-1) + 9.56$                |
| Width (mm)                             | 13.00                                     |
| Height (mm)                            | 13.00                                     |
| Pin dimensions (Thickness x Width)(mm) | 0.8x1.0                                   |
| PCB hole diameter (mm)                 | 1.3~1.4                                   |
| Number of positions                    | 02P~30P                                   |
| Level                                  | Single Row                                |

## Material information

|  |                   |
|--|-------------------|
| Insulation material                          | PA66              |
| 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)  | 24      |
| 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 (mm <sup>2</sup> )                  | 0.2     |
| Conductor cross section solid.max (mm <sup>2</sup> )                   | 2.5     |
| Conductor cross section stranded. min (mm <sup>2</sup> )               | 0.2     |
| Conductor cross section stranded. max (mm <sup>2</sup> )               | 2.5     |
| 2 conductors with same cross section, solid, max (mm <sup>2</sup> )    | 1.5     |
| 2 conductors with same cross section, stranded, max (mm <sup>2</sup> ) | 1.5     |
| Screw thread   | #6-32   |
| Slotted screwdriver size (Blade thickness x Width)(mm)                 | 0.8x4.0 |
| Philips screwdriver size   | PH2     |
| Rated torque (N.m)   | 1       |
| Recommend tightening torque. min (N.m)                                 | 0.8     |
| Recommend tightening torque. max (N.m)                                 | 1       |
| Stripping Length (mm)  | 7~8     |

## Connection data-UL

|                                   |     |
|-----------------------------------|-----|
| Rated voltage (UL/CUL Group B)(V) | 300 |
| Rated current (UL/CUL Group B)(A) | 20  |
| Rated voltage (UL/CUL Group C)(V) | 150 |

|  |     |
|--|-----|
| Rated current (UL/CUL Group C)(A)                | 20  |
| 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  | 22  |
| Max. solid wire connection AWG acc. to UL/CUL    | 12  |
| Min. stranded wire connection AWG acc. to UL/CUL | 22  |
| Max. stranded wire connection AWG acc. to UL/CUL | 12  |

## Environment & Safety

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

## UL Recognized

|                            |       |
|----------------------------|-------|
| Wire Range (Group B)(AWG)  | 22~12 |
| Rated voltage (Group B)(V) | 300   |
| Rated current (Group B)(A) | 20    |
| Wire Range (Group C)(AWG)  | 22~12 |
| Rated voltage (Group C)(V) | 150   |
| Rated current (Group C)(A) | 20    |
| Wire Range (Group D)(AWG)  | 22~12 |
| Rated voltage (Group D)(V) | 300   |
| Rated current (Group D)(A) | 10    |

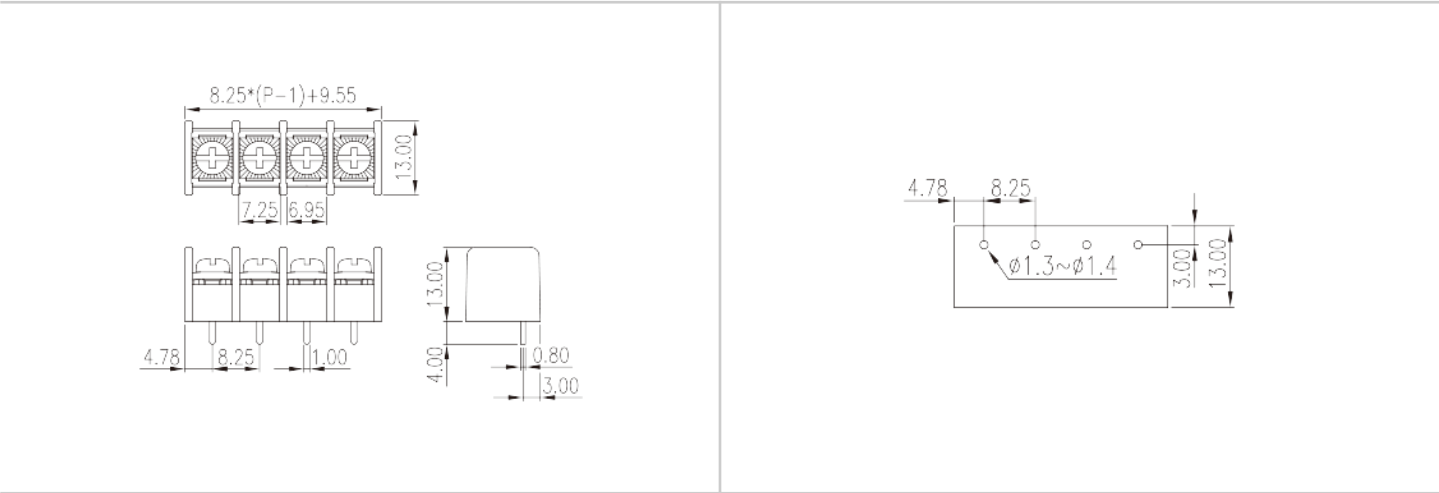
## CUL Recognized

|                            |       |
|----------------------------|-------|
| Wire Range (Group B)(AWG)  | 22~12 |
| Rated voltage (Group B)(V) | 300   |
| Rated current (Group B)(A) | 20    |
| Wire Range (Group C)(AWG)  | 22~12 |
| Rated voltage (Group C)(V) | 150   |
| Rated current (Group C)(A) | 20    |
| Wire Range (Group D)(AWG)  | 22~12 |
| Rated voltage (Group D)(V) | 300   |
| Rated current (Group D)(A) | 10    |

# CSA

|                   |       |
|-------------------|-------|
| Wire Range (AWG)  | 22~16 |
| Rated voltage (V) | 300   |
| Rated current (A) | 15    |

# Drawings



# Approvals

