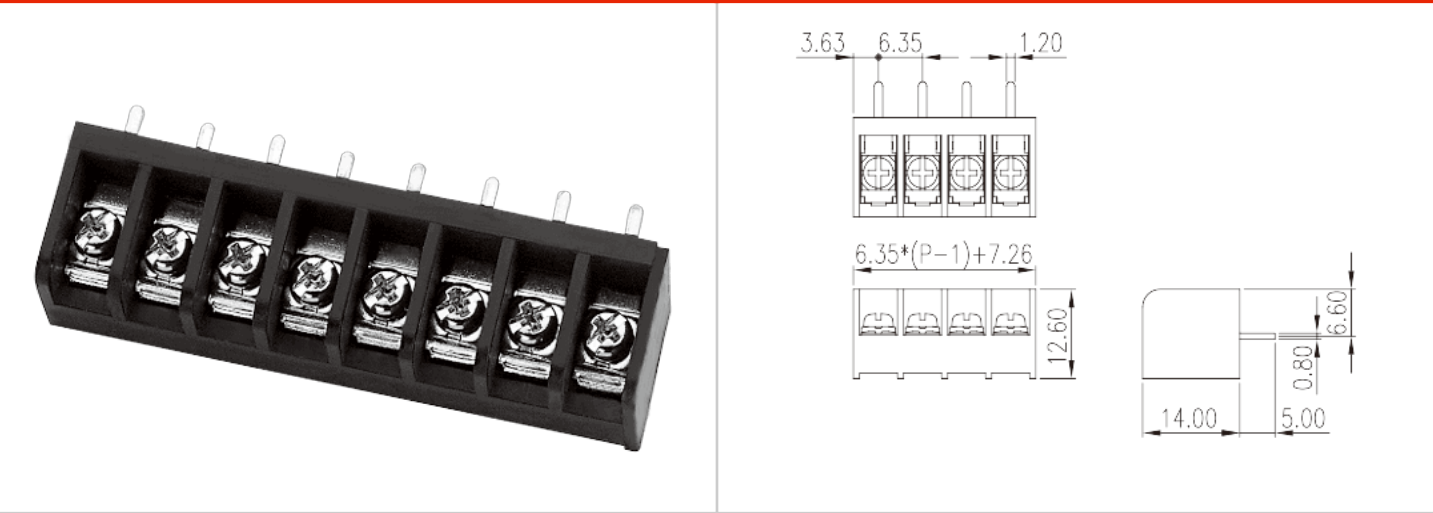


# DT-29-B02W-XX

Barrier Terminal Blocks > Single Row

Date:2024-05-05Version: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: 6.35mm, M2.6, 300V, 15A

## General information

|                                        |                                           |
|----------------------------------------|-------------------------------------------|
| Short description                      | Barrier terminal blocks, Screw connection |
| Category                               | Single Row                                |
| Pitch (mm)                             | 6.35                                      |
| Color                                  | Black (default)                           |
| Connection method                      | Screw connection                          |
| Type of locking                        | Without                                   |
| Soldering method                       | Wave Soldering                            |
| Length (mm)                            | 6.35*(P-1)+7.26                           |
| Width (mm)                             | 14.00                                     |
| Height (mm)                            | 12.60                                     |
| Pin dimensions (Thickness x Width)(mm) | 0.8x1.2                                   |
| PCB hole diameter (mm)                 | 1.6                                       |
| 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)                                         | 17.5     |
| Rated voltage (II/2)(V)                                   | 630      |
| Rated voltage (III/2) (V)                                 | 320      |
| Rated voltage (III/3)(V)                                  | 200      |
| 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)                  | 0.34     |
| Conductor cross section solid.max (mm²)                   | 1.5      |
| Conductor cross section stranded. min (mm²)               | 0.34     |
| Conductor cross section stranded. max (mm²)               | 1.5      |
| 2 conductors with same cross section, solid, max (mm²)    | 1        |
| 2 conductors with same cross section, stranded, max (mm²) | 1        |
| Screw thread                                              | M2.6     |
| Slotted screwdriver size (Blade thickness x Width)(mm)    | 0.6x0.35 |
| Philips screwdriver size                                  | PH1      |
| Rated torque (N.m)                                        | 0.5      |
| Recommend tightening torque. min (N.m)                    | 0.4      |
| Recommend tightening torque. max (N.m)                    | 0.5      |
| Stripping Length (mm)                                     | 6~7      |

## Connection data-UL

|                                   |     |
|-----------------------------------|-----|
| Rated voltage (UL/CUL Group B)(V) | 300 |
| Rated current (UL/CUL Group B)(A) | 15  |
| 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    | 16 |
| Min. stranded wire connection AWG acc. to UL/CUL | 22 |
| Max. stranded wire connection AWG acc. to UL/CUL | 16 |

## 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)  | 22~16 |
| Rated voltage (Group B)(V) | 300   |
| Rated current (Group B)(A) | 15    |
| Wire Range (Group D)(AWG)  | 22~16 |
| Rated voltage (Group D)(V) | 300   |
| Rated current (Group D)(A) | 10    |

## CUL Recognized

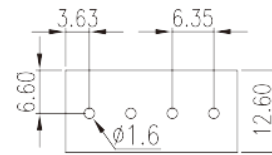
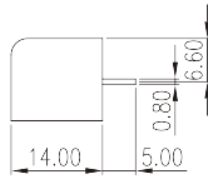
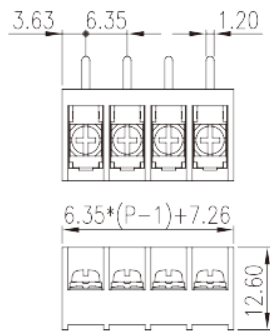
|                            |       |
|----------------------------|-------|
| Wire Range (Group B)(AWG)  | 22~16 |
| Rated voltage (Group B)(V) | 300   |
| Rated current (Group B)(A) | 15    |
| Wire Range (Group D)(AWG)  | 22~16 |
| Rated voltage (Group D)(V) | 300   |
| Rated current (Group D)(A) | 10    |

## CSA

|                   |       |
|-------------------|-------|
| Wire Range (AWG)  | 22~16 |
| Rated voltage (V) | 300   |
| Rated current (A) | 10    |

## Drawings

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



## Approvals

