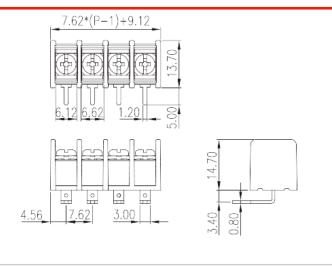
# DT-25-B14W-XX

Barrier Terminal Blocks > Single Row

Date:2025-10-19Version: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: 7.62mm, M3, 300V, 15A

#### General information

| Short description                      | Barrier terminal blocks, Screw connection |
|----------------------------------------|-------------------------------------------|
| Category                               | Single Row                                |
| Pitch (mm)                             | 7.62                                      |
| Color                                  | Black (default)                           |
| Connection method                      | Screw connection                          |
| Type of locking                        | Without                                   |
| Soldering method                       | Wave Soldering                            |
| Length (mm)                            | 7.62*(P-1)+9.12                           |
| Width (mm)                             | 13.70                                     |
| Height (mm)                            | 14.70                                     |
| Pin demensions (Thickness x Width)(mm) | 0.8x1.2                                   |
| PCB hole diameter (mm)                 | 1.8                                       |
| Number of positions                    | 02P~33P                                   |
| Level                                  | Single Row                                |

#### Material information



| Insulation material                                       | PA                                 |
|-----------------------------------------------------------|------------------------------------|
| Insulation material group                                 | I                                  |
| Flame retardant rating , compliant with UL94              | V0                                 |
| Insulation resistance                                     | $\square$ 500Μ $\Omega$ 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)                                  | 320                                |
| 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                                              | M3                                 |
| Slotted screwdriver size (Blade thickness x Width)(mm)    | 0.8x4.0                            |
| Philips screwdriver size                                  | PH2                                |
| Rated torque (N.m)                                        | 1.4                                |
| Recommend tightening torque. min (N.m)                    | 0.5                                |
| Recommend tightening torque. max (N.m)                    | 1.4                                |
| 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 C)(V)                         | 150                                |

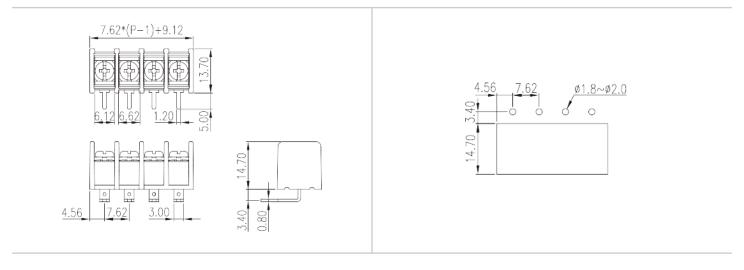
| Rated current (UL/CUL Group C)(A)                | 15    |
|--------------------------------------------------|-------|
| Rated voltage (UL/CUL Group D)(V)                | 300   |
| Rated current (UL/CUL Group D)(A)                | 15    |
| Min. solid wire connection (AWG) acc. to UL/CUL  | 22    |
| Max. solid wire connection AWG acc. to UL/CUL    | 14    |
| Min. stranded wire connection AWG acc. to UL/CUL | 22    |
| Max. stranded wire connection AWG acc. to UL/CUL | 14    |
| 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)                        | 22~14 |
| Rated voltage (Group B)(V)                       | 300   |
| Rated current (Group B)(A)                       | 15    |
| Wire Range (Group C)(AWG)                        | 22~14 |
| Rated voltage (Group C)(V)                       | 150   |
| Rated current (Group C)(A)                       | 15    |
| Wire Range (Group D)(AWG)                        | 22~14 |
| Rated voltage (Group D)(V)                       | 300   |
| Rated current (Group D)(A)                       | 15    |
| CUL Recognized                                   |       |
| Wire Range (Group B)(AWG)                        | 22~14 |
| Rated voltage (Group B)(V)                       | 300   |
| Rated current (Group B)(A)                       | 15    |
| Wire Range (Group C)(AWG)                        | 22~14 |
| Rated voltage (Group C)(V)                       | 150   |
| Rated current (Group C)(A)                       | 15    |
| Wire Ranget (Group D)(AWG)                       | 22~14 |
| Rated voltage (Group D)(V)                       | 300   |
| Rated current (Group D)(A)                       | 15    |
|                                                  |       |



## CSA

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

# Drawings



# Approvals





