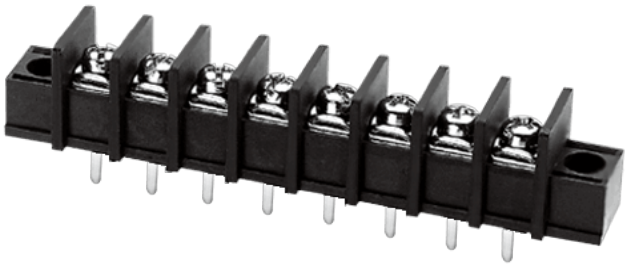
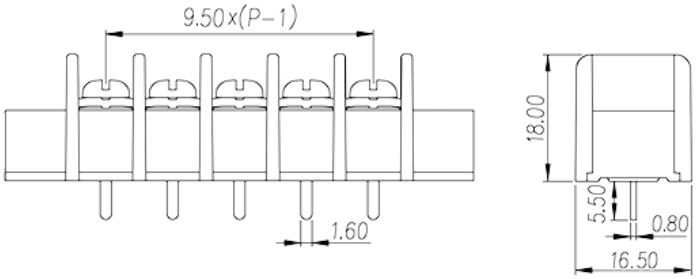
# DT-45-A01W-XX

Barrier Terminal Blocks > Single Row

Date:2026-11-14Version: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: 9.50mm , M3.5, 300V, 25A

## General information

| | |
|---|---|
| Short description | Barrier terminal blocks , Screw connection |
| Category | Single Row |
| Pitch (mm) | 9.50 |
| Color | Black(default) |
| Connection method | Screw connection |
| Type of locking | Without |
| Pin demensions (Thickness x Width)(mm) | 0.8X1.6 |
| PCB hole diameter (mm) | 2.0~2.1 |
| Level | Single Row |

## Material information

| | |
|---|---|
| Insulation material | PA66 |
| Insulation material group | I |
| Flame retardant rating , compliant with UL94 | V0 |
| Conductor material | Copper Alloy |
| Plating of conductor surface | Tinned |


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## Connection data-IEC

| | |
|---|---|
| Rated current (A) | 24 |
| Rated voltage (II/2)(V) | 1000 |
| Rated voltage (III/2) (V) | 630 |
| Rated voltage (III/3)(V) | 400 |
| Rated impulse voltage (II/2)(KV) | 6 |
| Rated impulse voltage (III/2)(KV) | 6 |
| Rated impulse voltage (III/3)(KV) | 6 |
| Conductor cross section solid. min ($mm^2$) | 0.34 |
| Conductor cross section solid.max ($mm^2$) | 2.5 |
| Conductor cross section stranded. min ($mm^2$) | 0.34 |
| Conductor cross section stranded. max ($mm^2$) | 2.5 |
| 2 conductors with same cross section, solid, max ($mm^2$) | 1.5 |
| 2 conductors with same cross section, stranded, max ($mm^2$) | 1.5 |
| Screw thread | M3.5 |
| 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) | 0.8 |
| Recommend tightening torque. max (N.m) | 1.4 |
| Stripping Length (mm) | 8~9 |

## Connection data-UL

| | |
|---|---|
| Rated voltage (UL/CUL Group B)(V) | 300 |
| Rated current (UL/CUL Group B)(A) | 25 |
| Rated voltage (UL/CUL Group C)(V) | 150 |
| Rated current (UL/CUL Group C)(A) | 25 |
| 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 |


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## Environment & Safety

| | |
|---|---|
| Back of the hand protection (YES or NO) | YES |
| Operating temperature. max (°C) | 11.005 |
| 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) | 25 |
| Wire Range (Group C)(AWG) | 22~12 |
| Rated voltage (Group C)(V) | 150 |
| Rated current (Group C)(A) | 25 |
| 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) | 25 |
| Wire Range (Group C)(AWG) | 22~12 |
| Rated voltage (Group C)(V) | 150 |
| Rated current (Group C)(A) | 25 |
| Wire Ranget (Group D)(AWG) | 22~12 |
| Rated voltage (Group D)(V) | 300 |
| Rated current (Group D)(A) | 10 |

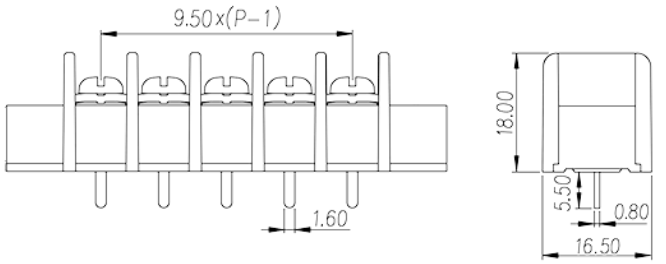
## VDE Approval

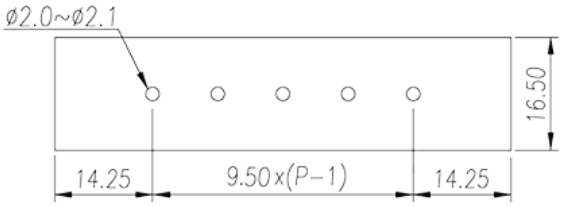
| | |
|---|---|
| Wire Range ($mm^2$) | 0.34~2.5 |
| Rated current (A) | 24 |

## Drawings

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


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## Approvals


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