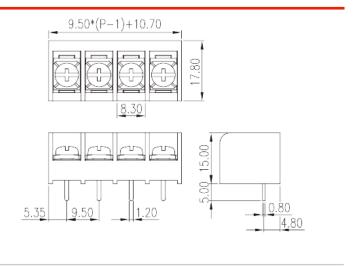


# DT-49-B01W-XX

Barrier Terminal Blocks > Single Row

Date:2025-11-04Version: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, #6-32, 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)	0.8X1.2
PCB hole diameter (mm)	1.6~1.7
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



#### Connection data-IEC

Rated voltage (V)	1000
Rated current (A)	24
Rated voltage (II/2)(V)	1000
Rated voltage (III/2) (V)	630
Rated voltage (III/3)(V)	630
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 (mm²)	0.5
Conductor cross section solid.max (mm²)	4
Conductor cross section stranded. min (mm²)	0.5
Conductor cross section stranded. max (mm²)	2.5
2 conductors with same cross section, solid, max (mm²)	2.5
2 conductors with same cross section, stranded, max (mm²)	2.5
Screw thread	#6-32
Slotted screwdriver size (Blade thickness x Width)(mm)	0.8x4
Philips screwdriver size	PH2
Recommend tightening torque. min (N.m)	0.8
Recommend tightening torque. max (N.m)	1
Stripping Length (mm)	12~13

#### Connection data-UL

Rated voltage (UL/CUL Group B)(V)	300
Rated current (UL/CUL Group B)(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

### Environment & Safety

Back of the hand protection (YES or NO)	YES



Operating temperature. max (°C)	105
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 D)(AWG)	22~12
Rated voltage (Group D)(V)	300
Rated current (Group D)(A)	10

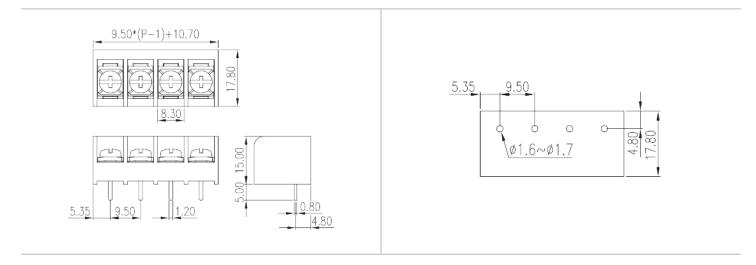
#### **CUL** Recognized

Wire Range (Group B)(AWG)	22~12
Rated voltage (Group B)(V)	300
Rated current (Group B)(A)	25
Wire Ranget (Group D)(AWG)	22~12
Rated voltage (Group D)(V)	300
Rated current (Group D)(A)	10

#### **VDE** Approval

Wire Range (mm²)	0.5~4(sol) 0.5~2.5(str)
Rated voltage (V)	1000
Rated current (A)	24

# Drawings





# Approvals







