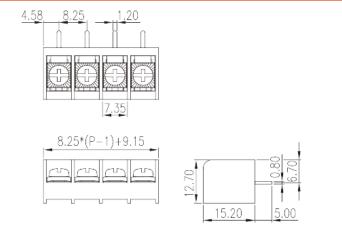


# DT-39-B02W-XX

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: 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
Pin demensions (Thickness x Width)(mm)	0.8X1.2
PCB hole diameter (mm)	1.7~1.8
Level	Single Row

#### Material information

Insulation material	PA66
Insulation material group	I
Flame retardant rating , compliant with UL94	VO
Conductor material	Copper Alloy
Plating of conductor surface	Tin PLATED



#### Connection data-IEC

Rated current (A)	24
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)	0.2
Conductor cross section solid.max (mm²)	2.5
Conductor cross section stranded. min (mm²)	0.2
Conductor cross section stranded. max (mm²)	2.5
2 conductors with same cross section, solid, max (mm²)	1.5
2 conductors with same cross section, stranded, max (mm²)	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)	1.4
Recommend tightening torque. min (N.m)	0.8
Recommend tightening torque. max (N.m)	1.4
Stripping Length (mm)	8~9

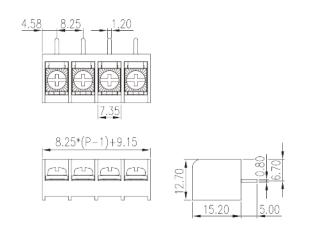
#### Connection data-UL

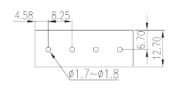
Rated voltage (UL/CUL Group B)(V)	300
Rated current (UL/CUL Group B)(A)	20
Rated voltage (UL/CUL Group D)(V)	300
Rated current (UL/CUL Group D)(A)	10
Min. solid wire connection (AWG) acc. to UL/CUL	22
Max. solid wire connection AWG acc. to UL/CUL	12
Min. stranded wire connection AWG acc. to UL/CUL	22
Max. stranded wire connection AWG acc. to UL/CUL	12

## Environment & Safety

Operating temperature. max (°C)	120
Operating temperature. min (°C)	-40
JL 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
Wire Range (Group D)(AWG)	22~12
Rated voltage (Group D)(V)	300
Rated current (Group D)(A)	10
Wire Range (Group B)(AWG)	22 12
Wire Pange (Group R)(A)M(G)	
3 1 1 1	22~12
Rated voltage (Group B)(V)	300
Rated voltage (Group B)(V) Rated current (Group B)(A)	300 20
Rated voltage (Group B)(V) Rated current (Group B)(A) Wire Range (Group C)(AWG)	300 20 22~12
Rated voltage (Group B)(V) Rated current (Group B)(A) Wire Range (Group C)(AWG) Wire Ranget (Group D)(AWG)	300 20 22~12 22~12
Rated voltage (Group B)(V)  Rated current (Group B)(A)  Wire Range (Group C)(AWG)  Wire Ranget (Group D)(AWG)  Rated voltage (Group D)(V)	300 20 22~12 22~12 300
Rated voltage (Group B)(V) Rated current (Group B)(A) Wire Range (Group C)(AWG) Wire Ranget (Group D)(AWG)	300 20 22~12 22~12
Rated voltage (Group B)(V)  Rated current (Group B)(A)  Wire Range (Group C)(AWG)  Wire Ranget (Group D)(AWG)  Rated voltage (Group D)(V)  Rated current (Group D)(A)	300 20 22~12 22~12 300
Rated voltage (Group B)(V)  Rated current (Group B)(A)  Wire Range (Group C)(AWG)  Wire Ranget (Group D)(AWG)  Rated voltage (Group D)(V)	300 20 22~12 22~12 300

# Drawings





## **Approvals**







