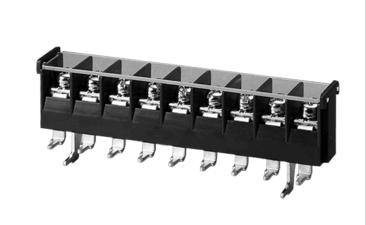
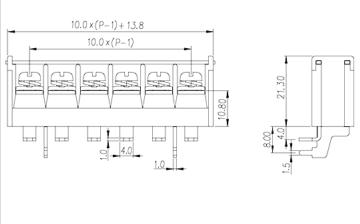


DT-51-B14W-XX

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: 10.00mm, M4, 300V, 20A

General information

Short description	Barrier terminal blocks , Screw connection
Category	Single Row
Pitch (mm)	10.00
Color	Black(default)
Connection method	Screw connection
Type of locking	Without
Pin demensions (Thickness x Width)(mm)	1.0X1.8
PCB hole diameter (mm)	1.4x2.4
Level	Single Row

Material information

Insulation material	PBT
Insulation material group	IIIa
Flame retardant rating , compliant with UL94	VO
Conductor material	Copper Alloy
Plating of conductor surface	Tinned



Connection data-IEC

Rated current (A)	24
Rated voltage (II/2)(V)	500
Rated voltage (III/2) (V)	500
Rated voltage (III/3)(V)	320
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)	2.5
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)	1.5
2 conductors with same cross section, stranded, max (mm²)	1.5
Screw thread	M4
Slotted screwdriver size (Blade thickness x Width)(mm)	1.0x5.5
Philips screwdriver size	PH2
Rated torque (N.m)	1.8
Recommend tightening torque. min (N.m)	1.2
Recommend tightening torque. max (N.m)	1.8
Stripping Length (mm)	9~10

Connection data-UL

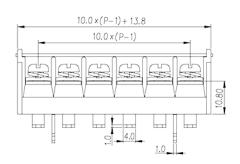
Rated voltage (UL/CUL Group B)(V)	300
Rated current (UL/CUL Group B)(A)	20
Rated voltage (UL/CUL Group D)(V)	300
Rated current (UL/CUL Group D)(A)	10
Min. solid wire connection (AWG) acc. to UL/CUL	22
Max. solid wire connection AWG acc. to UL/CUL	12
Min. stranded wire connection AWG acc. to UL/CUL	22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

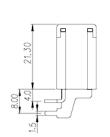
Environment & Safety

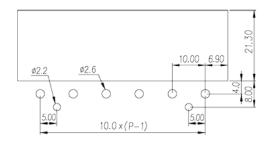
Back of the hand protection (YES or NO)	YES

Operating temperature. max (°C)	130
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
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)	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) Rated current (Group D)(A)	300 20 22~12 22~12 300

Drawings







Approvals





