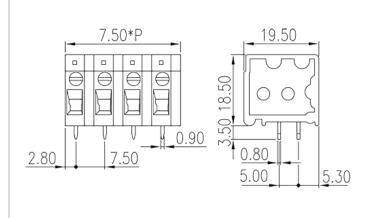


DT-123RA-XXP3

PCB Terminal Blocks > PCB Terminal Blocks

Date:2025-10-31Version:V1





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: 7.50mm, 300V, 26A(FW1)/&/20A(FW2)

General information

Short description	PCB Terminal Blocks, Front Screw Connection
Category	PCB Terminal Blocks
Pitch (mm)	7.50
Color	Green (default)
Connection method	Front Screw Connection
Type of locking	Without
Length (mm)	7.50*(P-1)+7.5
Width (mm)	19.5
Height (mm)	18.5
Pin demensions (Thickness x Width)(mm)	0.8x0.9
PCB hole diameter (mm)	1.5
Number of positions	02P~16P
Level	Single level

Material information

Insulation material	PBT
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Insulation material group	IIIa
Flame retardant rating , compliant with UL94	VO
Insulation resistance	$\Box 1000$ M Ω at DC 500V
Conductor material	COPPER ALLOY
Plating of conductor surface	Tin PLATED
Connection data-IEC	
Rated voltage (V)	500
Rated current (A)	32
Rated voltage (II/2)(V)	630
Rated voltage (III/2) (V)	500
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 (mm²)	0.5
Conductor cross section solid.max (mm²)	4
Conductor cross section stranded. min (mm²)	0.5
Conductor cross section stranded. max (mm²)	4
Conductor cross section flexible, with min ferrule without plastic sleeve (mm²)	0.5
Conductor cross section flexible, with max ferrule without plastic sleeve (mm²)	1.5
Conductor cross section flexible, with min ferrule with plastic sleeve (mm²)	0.5
Conductor cross section flexible, with max ferrule with plastic sleeve (mm²)	1.5
2 conductors with same cross section, solid, min (mm²)	0.5
2 conductors with same cross section, solid, max (mm²)	1
2 conductors with same cross section, stranded, min (mm²)	0.5
2 conductors with same cross section, stranded, max (mm²)	1
2 conductors with same cross section flexible, with min ferrule without plastic sleeve (mm²)	0.5
2 conductors with same cross section flexible, with max ferrule without plastic sleeve (mm²)	0.75
2 conductors with same cross section flexible, min twin ferrules with plastic sleeve (mm²)	0.5

2 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)	1
Screw thread	M2.5
Slotted screwdriver size (Blade thickness x Width)(mm)	0.6x3.5
Recommend tightening torque. min (N.m)	0.4
Recommend tightening torque. max (N.m)	0.5
Stripping Length (mm)	13~14
Connection data-UL	
Rated voltage (UL/CUL Group B)(V)	300
Rated current (UL/CUL Group B)(A)	26(FW1)/20(FW2)
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	
•	VEC
Finger protection (YES or NO)	YES
Finger protection (YES or NO) Operating temperature. max (°C)	120
Finger protection (YES or NO)	
Finger protection (YES or NO) Operating temperature. max (°C)	120
Finger protection (YES or NO) Operating temperature. max (°C) Operating temperature. min (°C)	120
Finger protection (YES or NO) Operating temperature. max (°C) Operating temperature. min (°C) JL Recognized	120 -40
Finger protection (YES or NO) Operating temperature. max (°C) Operating temperature. min (°C) JL Recognized Wire Range (Group B)(AWG)	120 -40 22~12
Finger protection (YES or NO) Operating temperature. max (°C) Operating temperature. min (°C) JL Recognized Wire Range (Group B)(AWG) Rated voltage (Group B)(V)	120 -40 22~12 300
Finger protection (YES or NO) Operating temperature. max (°C) Operating temperature. min (°C) JL Recognized Wire Range (Group B)(AWG) Rated voltage (Group B)(V) Rated current (Group B)(A)	120 -40 22~12 300 26(FW1)/20(FW2)
Finger protection (YES or NO) Operating temperature. max (°C) Operating temperature. min (°C) JL Recognized Wire Range (Group B)(AWG) Rated voltage (Group B)(V) Rated current (Group B)(A) Wire Range (Group D)(AWG)	120 -40 22~12 300 26(FW1)/20(FW2) 22~12
Finger protection (YES or NO) Operating temperature. max (°C) Operating temperature. min (°C) JL Recognized Wire Range (Group B)(AWG) Rated voltage (Group B)(V) Rated current (Group B)(A) Wire Range (Group D)(AWG) Rated voltage (Group D)(V)	120 -40 22~12 300 26(FW1)/20(FW2) 22~12 300
Finger protection (YES or NO) Operating temperature. max (°C) Operating temperature. min (°C) JL Recognized Wire Range (Group B)(AWG) Rated voltage (Group B)(V) Rated current (Group B)(A) Wire Range (Group D)(AWG) Rated voltage (Group D)(V) Rated current (Group D)(V)	120 -40 22~12 300 26(FW1)/20(FW2) 22~12 300
Finger protection (YES or NO) Operating temperature. max (°C) Operating temperature. min (°C) JL Recognized Wire Range (Group B)(AWG) Rated voltage (Group B)(V) Rated current (Group B)(A) Wire Range (Group D)(AWG) Rated voltage (Group D)(V) Rated current (Group D)(A) CUL Recognized	120 -40 22~12 300 26(FW1)/20(FW2) 22~12 300 10

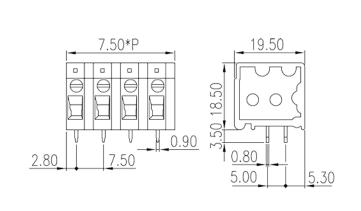


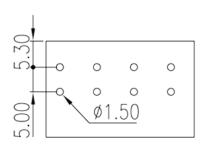
Wire Ranget (Group D)(AWG)	22~12
Rated voltage (Group D)(V)	300
Rated current (Group D)(A)	10

VDE Approval

Wire Range (mm²)	0.5~4
Rated voltage (V)	500
Rated current (A)	32

Drawings





Approvals







