

SERIES: TB0010V-500 | **DESCRIPTION:** TERMINAL BLOCK**FEATURES**

- 2~12 poles
- interlocking sides
- 5.00 mm pitch
- UL & CE safety approvals

**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated voltage (UL)	Use Group: B, D			250	V
rated current (UL)	Use Group: B D			16 10	A A
rated voltage (IEC)	Overvoltage Category/Pollution Degree: III/3 III/2 II/2			250 400 630	V V V
rated current (IEC)	Overvoltage Category/Pollution Degree: III/3, III/2, II/2			24	A
withstanding voltage	for 1 minute		1500		Vac
surge voltage				4000	V
contact resistance				20	mΩ
insulation resistance	at 500 Vdc	500			MΩ
operating temperature		-40		105	°C
safety approvals	UL 1059 certified, IEC 60947-7-4 compliant				
flammability rating	UL94V-0				
RoHS	yes				

SOLDERABILITY

parameter	conditions/description	min	typ	max	units
wave soldering	for maximum 5 seconds		260		°C

PART NUMBER KEY**TB0010V - 500 - XX XX**

Base Number

No. of Poles:

02	07	12
03	08	
04	09	
05	10	
06	11	

Color:

BE	= blue
GR	= green

MECHANICAL DRAWING

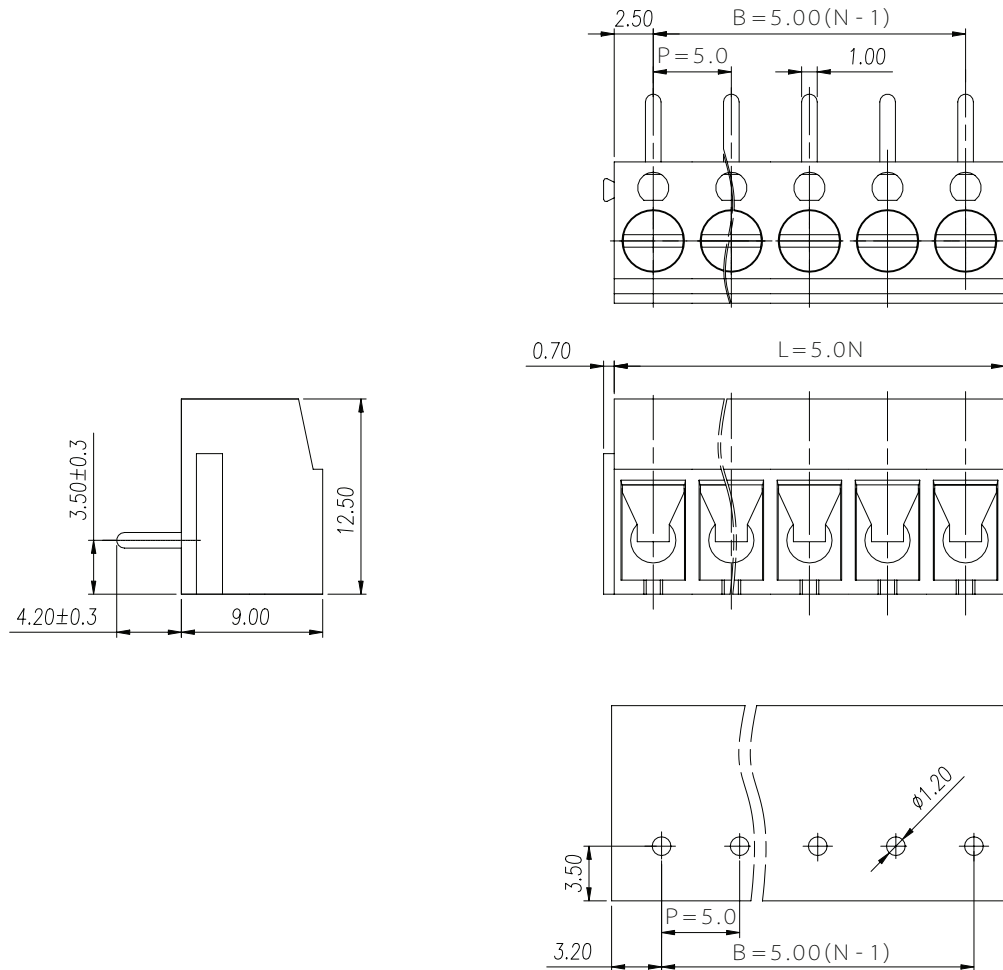
units: mm

tolerance:

 $X \leq 6.00$: ± 0.20 mm $6.00 < X \leq 10.00$: ± 0.30 mm $10.00 < X \leq 30.00$: ± 0.50 mm $30.00 < X \leq 60.00$: ± 0.70 mm $60.00 < X \leq 100.00$: ± 1.00 mm $100.00 < X \leq 160.00$: ± 1.30 mm $X > 160.00$: ± 1.60 mm

unless otherwise noted

DESCRIPTION	MATERIAL	PLATING/COLOR
housing	PA66 (UL94V-0)	see part number key
contacts	copper alloy	tin



Recommended PCB Layout
Top View

WIRE ASSEMBLY		
	UL	IEC
Wire Range	22-14 AWG	0.5~2.5 mm ²
Strip Length	5~6 mm	
Screw Size	M3	
Screw Torque	0.5 N-m	

This series can be constructed of 2 and 3 pole modules where L is the total length, P is the pitch, and N is the number of poles.

N	02	03	04	05	06	07	08	09	10	11	12
L	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00
B	5.00	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00

REVISION HISTORY

rev.	description	date
1.0	initial release	08/03/2023

The revision history provided is for informational purposes only and is believed to be accurate.



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