SERIES: TB0010-500 | 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

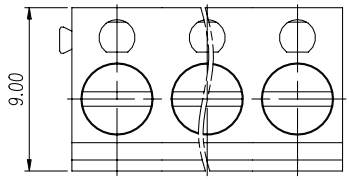
TB0010 - 500 - XX XX

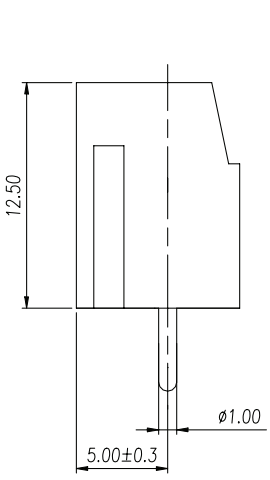
- TB0010 - 500: Base Number
- XX: No. of Poles: 02 03 04 05 06 07 08 09 10 11 12
- XX: Color: BE = blue, GR = green

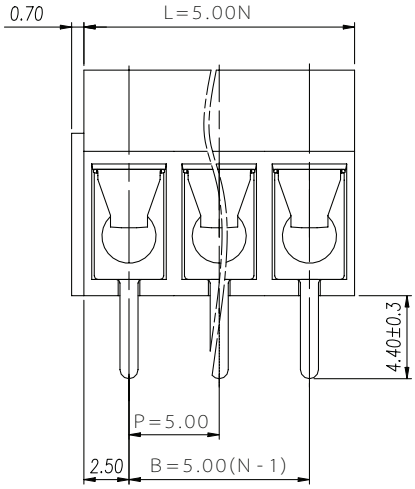
MECHANICAL DRAWING

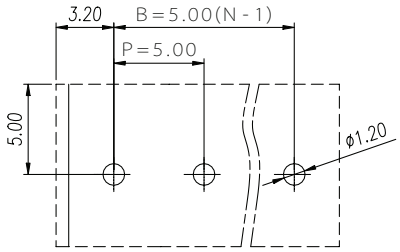
units: mm
tolerance:
X≤6.00: ±0.20 mm
6.00<X≤10.00: ±0.30 mm
10.00<X≤30.00: ±0.50 mm
30.00<X≤60.00: ±0.70 mm
60.00<X≤100.00: ±1.00 mm
100.00<X≤160.00: ±1.30 mm
X>160.00: ±1.60 mm
unless otherwise noted

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 mm²
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.

CUI Devices offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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