

date 08/03/2023

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SERIES: TB0010-500 | DESCRIPTION: TERMINAL BLOCK

FEATURES

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





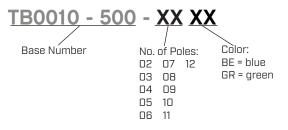
SPECIFICATIONS

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	А
withstanding voltage	for 1 minute		1500		Vac
surge voltage				4000	V
contact resistance				20	mΩ
insulation resistance	at 500 Vdc	500			МΩ
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

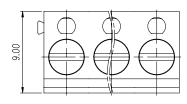
PART NUMBER KEY

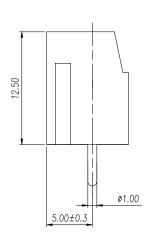


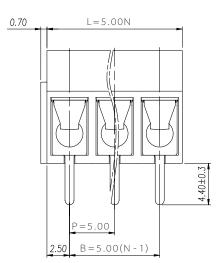
MECHANICAL DRAWING

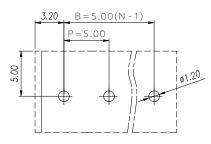
units: mm tolerance: $X \le 6.00$: ± 0.20 mm $6.00 < X \le 10.00$: ± 0.30 mm $10.00 < X \le 30.00$: ± 0.50 mm $30.00 < X \le 60.00$: ± 0.70 mm $60.00 < X \le 100.00$: ± 1.00 mm $100.00 < X \le 160.00$: ± 1.30 mm 100.00: ± 1.60 mm unless otherwise noted

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	МЗ						
Screw Torque	0.5 N	N-m					

This	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
В	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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