

SERIES: TBL005A-500 | **DESCRIPTION:** TERMINAL BLOCK

FEATURES

- 2~24 poles
- 45° with board
- interlocking (side)
- push button clamp
- 5.00 mm pitch
- UL safety approval
- IEC 60947-7-4 compliant


SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated voltage (per contact)	UL			300	V
	IEC			320	V
rated current (per contact)	UL			15	A
	IEC			24	A
withstanding voltage	for 1 minute		1600		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		250		°C

PART NUMBER KEY

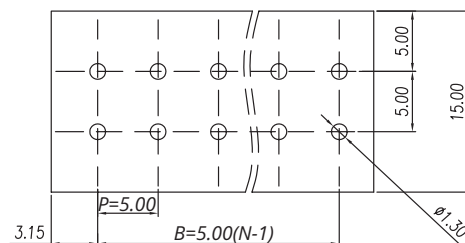
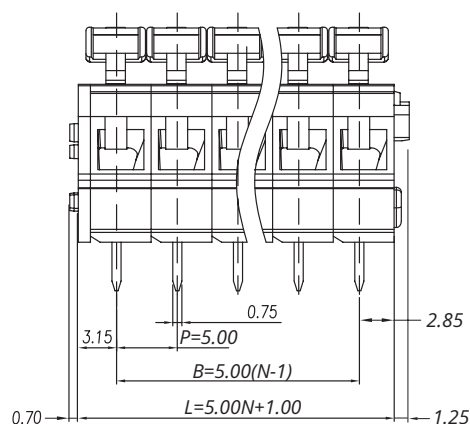
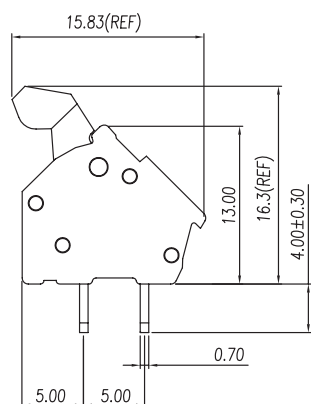
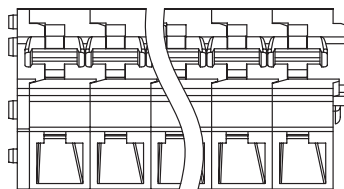
TBL005A-500 - XX XX - 2XX			
Base Number	No. of Poles:	Body Color:	Push Button Color:
	02 10 18	BE = blue	BE = blue
	03 11 19	GR = green	GR = green
	04 12 20	OR = orange	OR = orange
	05 13 21	YL = yellow	YL = yellow
	06 14 22	*GY = gray	GY = gray
	07 15 23	BK = black	BK = black
	08 16 24		*WT = white
	09 17		

*Standard housing color is gray with white push button. All other colors are subject to higher MOQ. Please inquire with CUI Devices sales for details.

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]	
contacts	copper alloy	tin



P.C.B. LAYOUT

WIRE ASSEMBLY		
	UL	IEC
Wire Range	26~14 AWG	0.2~2.5 mm ²
Strip Length	5~6 mm	

This series is constructed of 1 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	13
L	11.00	16.00	21.00	26.00	31.00	36.00	41.00	46.00	51.00	56.00	61.00	66.00
B	5.00	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00
N	14	15	16	17	18	19	20	21	22	23	24	--
L	71.00	76.00	81.00	86.00	91.00	96.00	101.00	106.00	111.00	116.00	121.00	--
B	65.00	70.00	75.00	80.00	85.00	90.00	95.00	100.00	105.00	110.00	115.00	--

REVISION HISTORY

rev.	description	date
1.0	initial release	08/13/2019
1.01	brand update	02/06/2020
1.02	updated datasheet	04/21/2020
1.03	logo, datasheet style update	08/12/2022

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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