

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:

02	10	18
03	11	19
04	12	20
05	13	21
06	14	22
07	15	23
08	16	24
09	17	

Body Color:

BE = blue
GR = green
OR = orange
YL = yellow
*GY = gray
BK = black

Push Button Color:

BE = blue
GR = green
OR = orange
YL = yellow
GY = gray
BK = black
*WT = white



MECHANICAL DRAWING

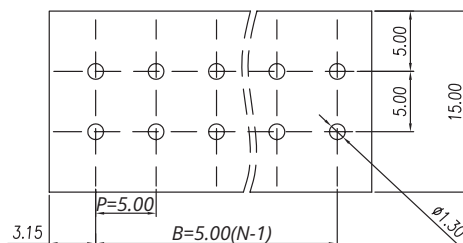
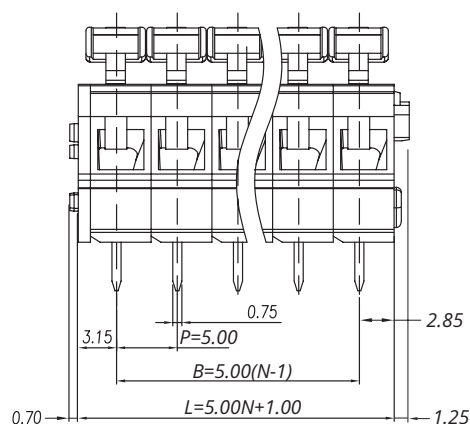
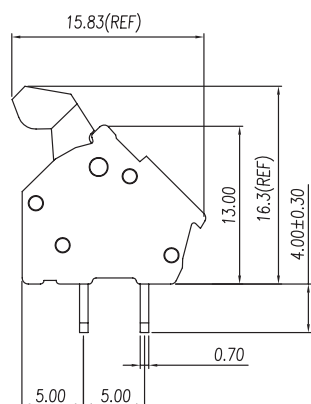
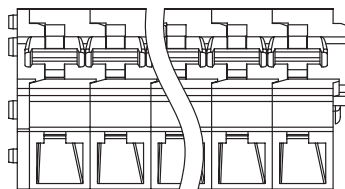
units: mm

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

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

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