



**SERIES:** TB0012-508 | **DESCRIPTION:** TERMINAL BLOCK

**FEATURES**

- 5.08 mm pitch
- UL and CE safety approvals
- 2-12 poles
- horizontal with board



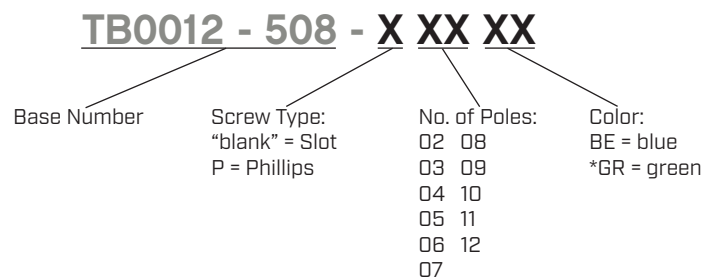
**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated voltage (per contact)	UL			300	V
	IEC (III/2)			250	V
rated current (per contact)	UL			12	A
	IEC (III/2)			15	A
withstanding voltage			2000		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, EN 60998-1:2004, EN 60998-2-1:2004				
flammability rating	UL94V-0				
RoHS	yes				

**SOLDERABILITY**

parameter	conditions/description	min	typ	max	units
hand soldering	for maximum 10 seconds	345	350	355	°C
wave soldering	for maximum 5 seconds	255	260	265	°C

**PART NUMBER KEY**

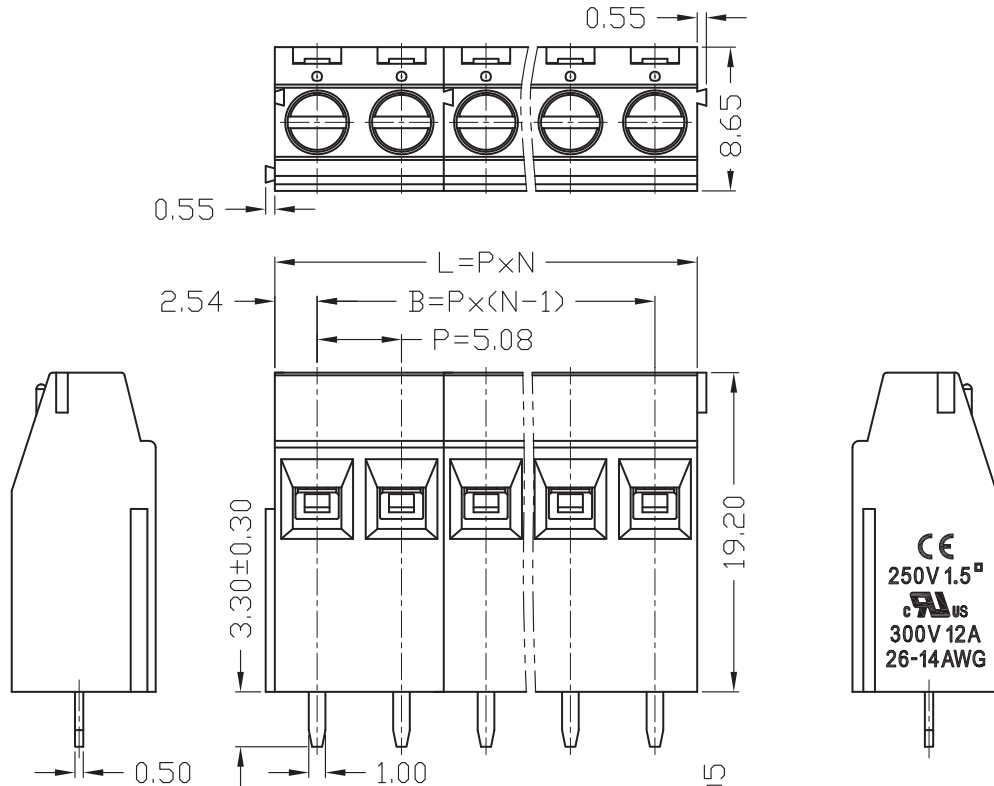


\*Standard housing color is green. All other colors are subject to higher MOQ. Please inquire with Same Sky sales for details.

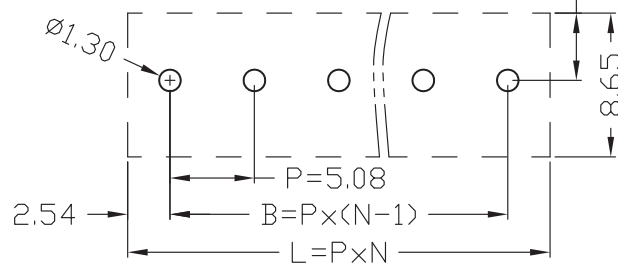
## MECHANICAL DRAWING

units: mm  
 tolerance:  
 $X \leq 6.00$ :  $\pm 0.25$  mm  
 $6.00 < X \leq 30.00$ :  $\pm 0.40$  mm  
 $30.00 < X \leq 60.00$ :  $\pm 0.60$  mm  
 $60.00 < X \leq 150.00$ :  $\pm 1.00$  mm  
 $X > 150.00$ :  $\pm 1.50$  mm  
 unless otherwise noted

DESCRIPTION	MATERIAL	PLATING/COLOR
housing	PA66 (UL94V-0)	
contacts	copper alloy	tin
screws	steel	zinc
block	copper alloy	nickel



WIRE ASSEMBLY		
	UL	IEC
Wire Range	26-14 AWG	1.5 mm <sup>2</sup>
Strip Length	6 mm	



Recommended PCB Layout  
Top View

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	10.16	15.24	20.32	25.40	30.48	35.56	40.64	45.72	50.80	55.88	60.96
B	5.08	10.16	15.24	20.32	25.40	30.48	35.56	40.64	45.72	50.80	55.88

## REVISION HISTORY

rev.	description	date
1.0	initial release	04/16/2025

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



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

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