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SERIES: TB0014-508 | DESCRIPTION: TERMINAL BLOCK

FEATURES

- 5.08 mm pitch
- UL and CE safety approvals
- 2~12 poles
- wire entry, horizontal with board



SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated voltage (UL)	Use Group: B			300	V
rated current (UL)	Use Group: B			12	A
rated voltage (IEC)	Overvoltage Category/Pollution Degree: III/2			250	V
rated current (IEC)	Overvoltage Category/Pollution Degree: III/2			15	A
withstanding voltage	for 1 minute		2,000		Vac
contact resistance				20	mΩ
insulation resistance	at 500 Vdc	500			MΩ
operating temperature		-40		105	°C
safety approvals	UL 1059 certified, EN 60998-1:2004 & EN 60998-2-1:2004 compliant				
flammability rating	UL94V-0				
RoHS	yes				

SOLDERABILITY

parameter	conditions/description	min	typ	max	units
wave soldering	for maximum 5 seconds	245	250	255	°C

PART NUMBER KEY

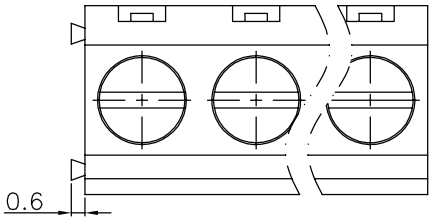
TB0014 - 508 - XX XX

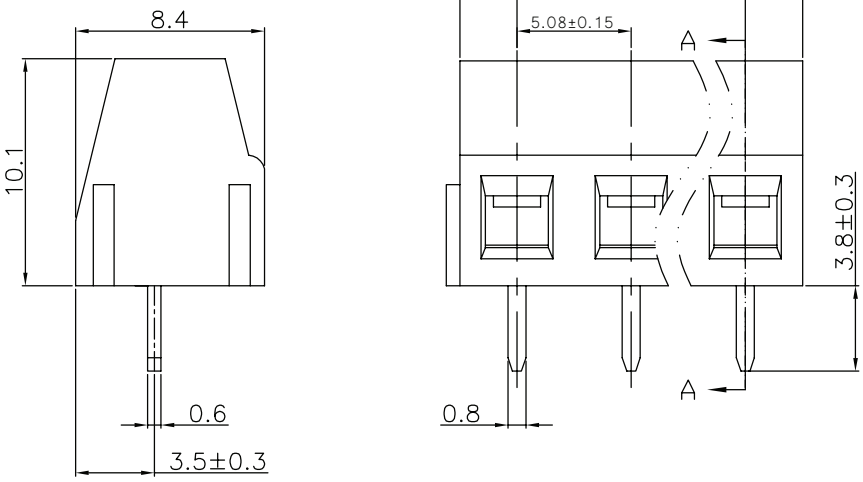
- TB0014: Base Number
- 508 - XX: No. of Poles: 02 03 04 05 06 07 08 09 10 11 12
- XX: Body Color: BE = blue, GR = green

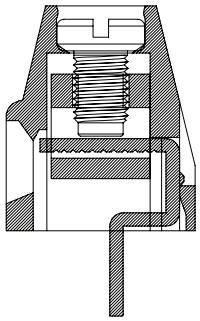
MECHANICAL DRAWING

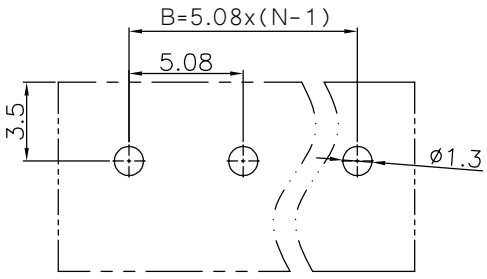
units: mm
tolerance:
X≤30.00: ±0.30 mm
30.00<X≤60.00: ±0.50 mm
60.00<X≤100.00: ±0.70 mm
100.00<X≤150.00: ±1.00 mm
X>150.00: ±1.30 mm
unless otherwise noted

DESCRIPTION	MATERIAL	PLATING/COLOR
housing	PA66 (UL94V-0)	see part number key
contacts	copper alloy	tin
screw	steel	zinc
clamp	copper alloy	nickel









Recommended PCB Layout
Top View

WIRE ASSEMBLY		
	UL	IEC
Wire Range	26~14 AWG	0.2-2.5 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 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	12/03/2025

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

same sky

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

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