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date 09/12/2024

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# SERIES: TB002-500 | DESCRIPTION: TERMINAL BLOCK

#### **FEATURES**

- 2~24 poles
- horizontal with board
- interlocking (side)
- 5.0 mm pitch
- UL and CE safety approvals















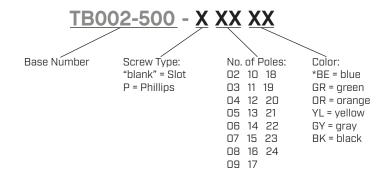
# **SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated voltage (per contact)	UL IEC			300 250	V
rated current (per contact)	UL IEC			15 17.5	A A
withstanding voltage			2500		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, 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

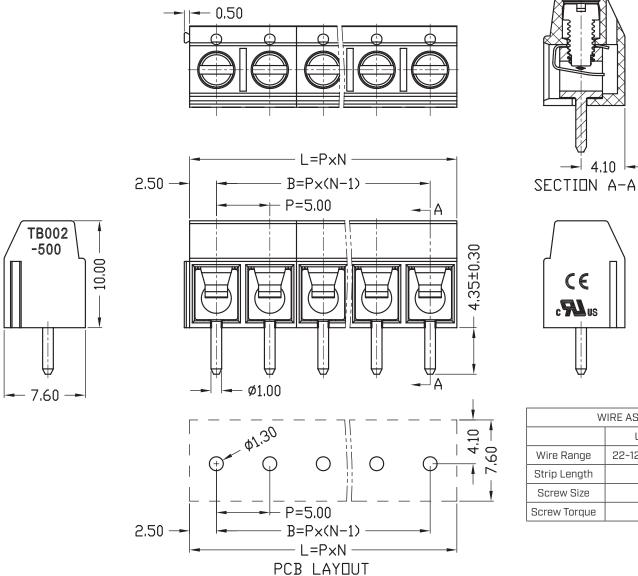
# PART NUMBER KEY

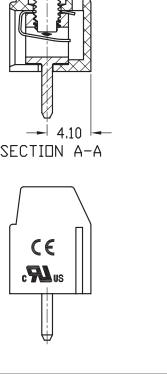


# **MECHANICAL DRAWING**

units: mm tolerance (per module): X≤6.00: ±0.25 mm 6.00<X≤30.00: ±0.40 mm unless otherwise noted

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





WIRE ASSEMBLY						
	UL	IEC				
Wire Range	22~12 AWG	1.5 mm²				
Strip Length	5~6 mm					
Screw Size	w Size M2.5					
Screw Torque	0.41	√m				

	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	13
L	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00	65.00
В	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	70.00	75.00	80.00	85.00	90.00	95.00	100.00	105.00	110.00	115.00	120.00	
В	65.00	70.00	75.00	80.00	85.00	90.00	95.00	100.00	105.00	110.00	115.00	

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# **REVISION HISTORY**

rev.	description	date
1.0	initial release	03/14/2019
1.01	brand update	02/06/2020
1.02	updated datasheet	04/20/2020
1.03	logo, datasheet style update	08/15/2022
1.04	CUI Devices rebranded to Same Sky	09/12/2024

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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Same Sky products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.