

Additional Resources: Product Page | 3D Model

date 09/12/2024

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# SERIES: TBP02P1W-381 | DESCRIPTION: TERMINAL BLOCK

#### **FEATURES**

- 2~24 poles
- 180° insertion entry
- · mating flange
- 3.81 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			8 7	A A
withstanding voltage			2000		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				

## **PART NUMBER KEY**

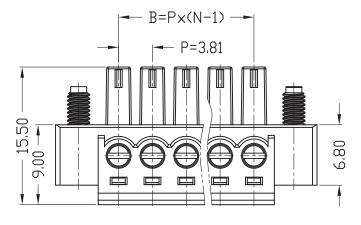
TBP02P1W-381 - XX XX Base Number No. of Poles: Color: 02 10 18 \*BE = blue 03 11 19 GR = green OR = orange 04 12 20 05 13 21 YL = yellow 06 14 22 GY = gray 07 15 23 BK = black 08 16 24 09 17

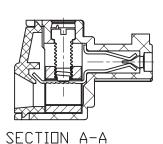
# **MECHANICAL DRAWING**

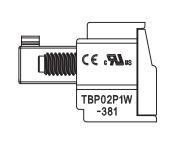
units: mm

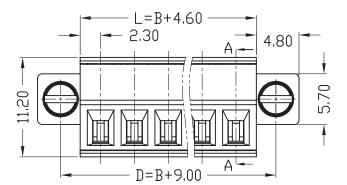
tolerance (per module):  $X \le 6.00$ :  $\pm 0.25$  mm  $6.00 < X \le 30.00$ :  $\pm 0.40$  mm  $30.00 < X \le 60.00$ :  $\pm 0.60$  mm  $60.00 < X \le 150.00$ :  $\pm 1.00$  mm unless otherwise noted

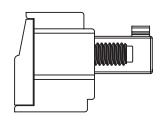
DESCRIPTION	MATERIAL	PLATING/COLOR
housing	PA66 (UL94V-0)	
contacts	copper alloy	nickel
wire screws	steel	zinc
locking screws (M2.5, 0.4 N·m)	steel	zinc
cage	copper alloy	nickel











WIRE ASSEMBLY					
	UL	IEC			
Wire Range	28~16 AWG	1.5 mm <sup>2</sup>			
Strip Length	7 mm				
Screw Size	M2				
Screw Torque	0.2 N·m				

	This series is constructed of single piece 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	8.41	12.22	16.03	19.84	23.65	27.46	31.27	35.08	38.89	42.70	46.51	50.32
В	3.81	7.62	11.43	15.24	19.05	22.86	26.67	30.48	34.29	38.10	41.91	45.72
D	12.81	16.62	20.43	24.24	28.05	31.86	35.67	39.48	43.29	47.10	50.91	54.72
N	14	15	16	17	18	19	20	21	22	23	24	
L	54.13	57.94	61.75	65.56	69.37	73.18	76.99	80.80	84.61	88.42	92.23	
В	49.53	53.34	57.15	60.96	64.77	68.58	72.39	76.20	80.01	83.82	87.63	
D	58.53	62.34	66.15	69.96	73.77	77.58	81.39	85.20	89.01	92.82	96.63	

### **REVISION HISTORY**

rev.	description	date
1.0	initial release	03/27/2019
1.01	brand update	02/06/2020
1.02	updated datasheet	04/21/2020
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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