CUI DEVICES

date 04/21/2020

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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 centact)	UL			300	V
rated voltage (per contact)	IEC			250	V
rated current (per contact)	UL			8	Α
	IEC			7	Α
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

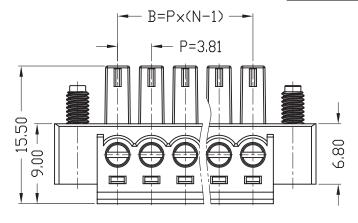
TBP02P1W-	38	<u>1</u> -	XX	XX	
		/			
Base Number	No.	of Po	oles:		Color:
	02	10	18		*BE = blue
	03	11	19		GR = green
	04	12	20		OR = orange
	05	13	21		YL = yellow
	06	14	22		GY = gray
	07	15	23		BK = black
	80	16	24		
	09	17			

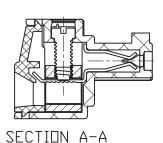
MECHANICAL DRAWING

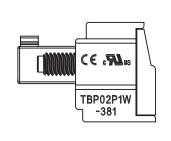
units: mm

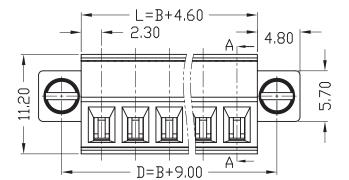
tolerance (per module): X≤6.00: ±0.25 mm 6.00<X≤30.00: ±0.40 mm 30.00<X≤60.00: ±0.60 mm 60.00<X≤150.00: ±1.00 mm unless otherwise noted

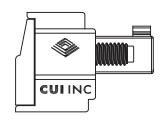
DESCRIPTION	MATERIAL	PLATING/COLOR
housing	PA66 (UL94V-0)	
contacts	copper alloy	nickel
wire screws	steel	zinc
locking screws (M2.5, 0.4 N·m)	steel	zinc
cage	copper alloy	nickel











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

This	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	

Additional Resources: Product Page | 3D Model

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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

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

CUI DEVICES

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

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CUI Devices:

<u>TBP02P1W-381-06BE</u> <u>TBP02P1W-381-02BE</u> <u>TBP02P1W-381-08BE</u> <u>TBP02P1W-381-05BE</u> <u>TBP02P1W-381-05BE</u> <u>TBP02P1W-381-04BE</u> <u>TBP02</u>