CUI DEVICES

date 04/21/2020

page 1 of 3

SERIES: TBP02P1-381 | DESCRIPTION: TERMINAL BLOCK

FEATURES

- 2~24 poles
- 180° insertion entry
- 2~6 poles groove guide
- 3.81 mm pitch
- UL and CE safety approvals







SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated voltage (nor contact)	UL			300	V
Tated voltage (per contact)	IEC			250	V
surge voltage contact resistance insulation resistance	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

TBP02P1-381 - XX XX No. of Poles: Color: Base Number 02 10 18 *BE = blue03 11 19 GR = green 04 12 20 OR = orange05 13 21 YL = yellow14 22 GY = gray07 15 23 BK = black08 16 24

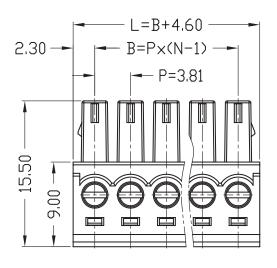
^{*}Standard housing color is blue. All other colors are subject to higher MOQ. Please inquire with CUI Devices sales for details.

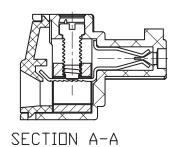
MECHANICAL DRAWING

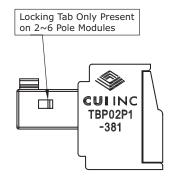
units: mm

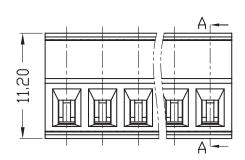
tolerance (per module): $X \le 6.00$: ± 0.25 mm $6.00 < X \le 30.00$: ± 0.40 mm $30.00 < X \le 60.00$: ± 0.60 mm $60.00 < X \le 150.00$: ± 1.00 mm unless otherwise noted

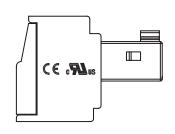
DESCRIPTION	MATERIAL	PLATING/COLOR
housing	PA66 (UL94V-0)	
contacts	copper alloy	nickel
wire screws	steel	zinc
block	copper alloy	nickel











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
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	

Additional Resources: Product Page | 3D Model

CUI Devices | SERIES: TBP02P1-381 | DESCRIPTION: TERMINAL BLOCK date 04/21/2020 | page 3 of 3

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.

CUI Devices reserves the right to make changes to the product at any time without notice. Information provided by CUI Devices is believed to be accurate and reliable. However, no responsibility is assumed by CUI Devices for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

CUI Devices 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.