



SERIES: TBL001-500 | **DESCRIPTION:** TERMINAL BLOCK

FEATURES

- 1-24 poles
- horizontal with board
- interlocking (side)
- push button clamp
- 5.00 mm pitch
- UL and CE safety approvals



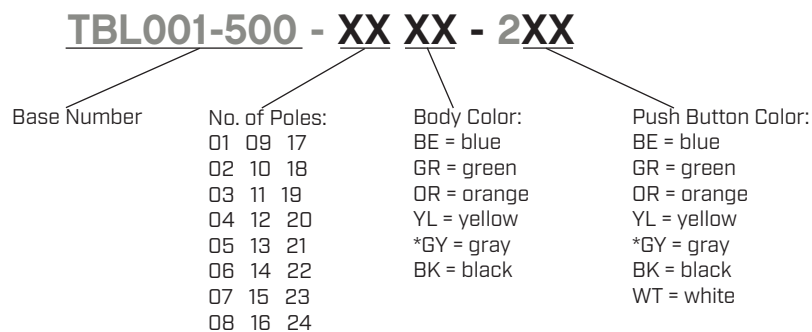
SPECIFICATIONS

| parameter | conditions/description | min | typ | max | units |
|-----------------------------|---|-----|------|------|-------|
| rated voltage (per contact) | UL | | | 300 | V |
| | IEC | | | 250 | V |
| rated current (per contact) | UL | | | 5 | A |
| | IEC | | | 15 | A |
| withstanding voltage | | | 2000 | | Vac |
| surge voltage | | | | 4000 | V |
| contact resistance | | | | 20 | mΩ |
| insulation resistance | at 500 Vdc | 500 | | | MΩ |
| 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

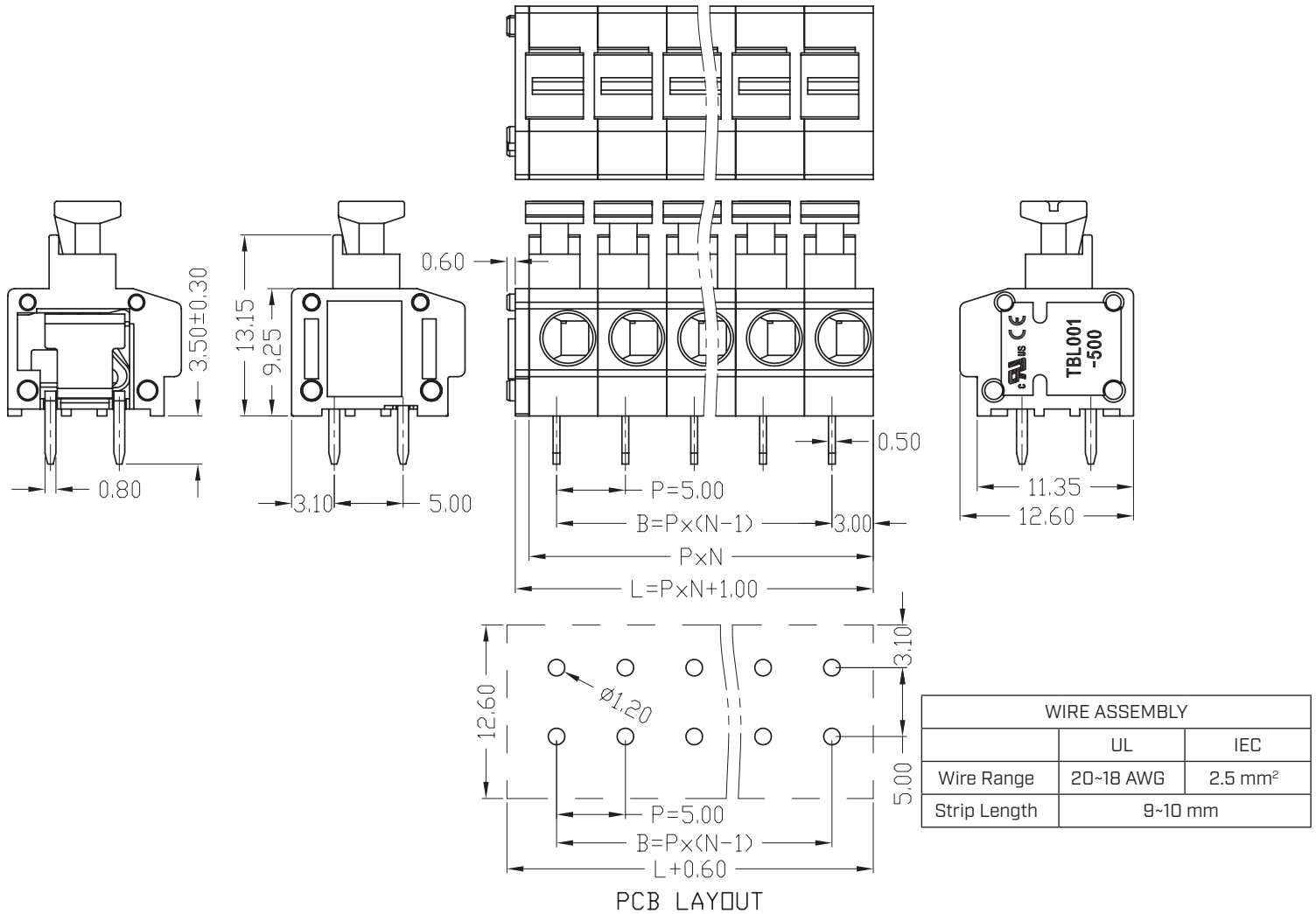


*Standard housing color is gray with gray push button. All other colors are subject to higher MOQ. Please inquire with CUI Devices sales for details.

MECHANICAL DRAWING

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

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



This series is constructed of 1 pole modules where L is the total length, P is the pitch, and N is the number of poles.

| | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| N | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 |
| L | 6.00 | 11.00 | 16.00 | 21.00 | 26.00 | 31.00 | 36.00 | 41.00 | 46.00 | 51.00 | 56.00 | 61.00 |
| B | -- | 5.00 | 10.00 | 15.00 | 20.00 | 25.00 | 30.00 | 35.00 | 40.00 | 45.00 | 50.00 | 55.00 |
| N | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| L | 66.00 | 71.00 | 76.00 | 81.00 | 86.00 | 91.00 | 96.00 | 101.00 | 106.00 | 111.00 | 116.00 | 121.00 |
| B | 60.00 | 65.00 | 70.00 | 75.00 | 80.00 | 85.00 | 90.00 | 95.00 | 100.00 | 105.00 | 110.00 | 115.00 |

REVISION HISTORY

| rev. | description | date |
|------|------------------------------|------------|
| 1.0 | initial release | 04/17/2019 |
| 1.01 | brand update | 02/06/2020 |
| 1.02 | updated datasheet | 04/20/2020 |
| 1.03 | logo, datasheet style update | 08/15/2022 |

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



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

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