

SERIES: TBL008-1000 | DESCRIPTION: TERMINAL BLOCK

FEATURES

- 2~24 poles
- horizontal with board
- interlocking (side)
- spring-cage clamp
- 10.00 mm pitch
- UL safety approval
- IEC 60947-7-4 compliant



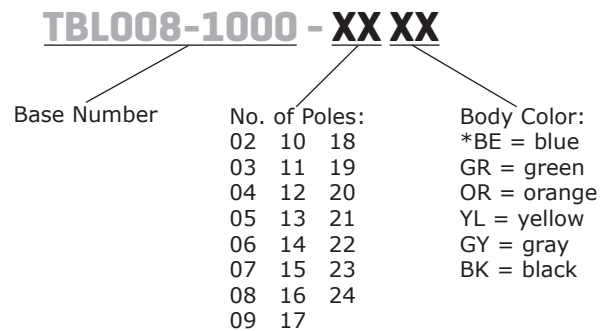
SPECIFICATIONS

| parameter | conditions/description | min | typ | max | units |
|-----------------------------|--------------------------------------------|-----|------|------|-------|
| rated voltage (per contact) | UL | | | 600 | V |
| | IEC | | | 1000 | V |
| rated current (per contact) | UL | | | 66 | A |
| | IEC | | | 76 | A |
| withstanding voltage | for 1 minute | | 2200 | | Vac |
| surge voltage | | | | 8000 | V |
| contact resistance | | | | 20 | mΩ |
| insulation resistance | at 500 Vdc | 500 | | | MΩ |
| operating temperature | | -40 | | 105 | °C |
| safety approvals | UL 1059 certified, IEC 60947-7-4 compliant | | | | |
| flammability rating | UL94V-0 | | | | |
| RoHS | yes | | | | |

SOLDERABILITY

| parameter | conditions/description | min | typ | max | units |
|----------------|------------------------|-----|-----|-----|-------|
| wave soldering | for maximum 5 seconds | | 250 | | °C |

PART NUMBER KEY

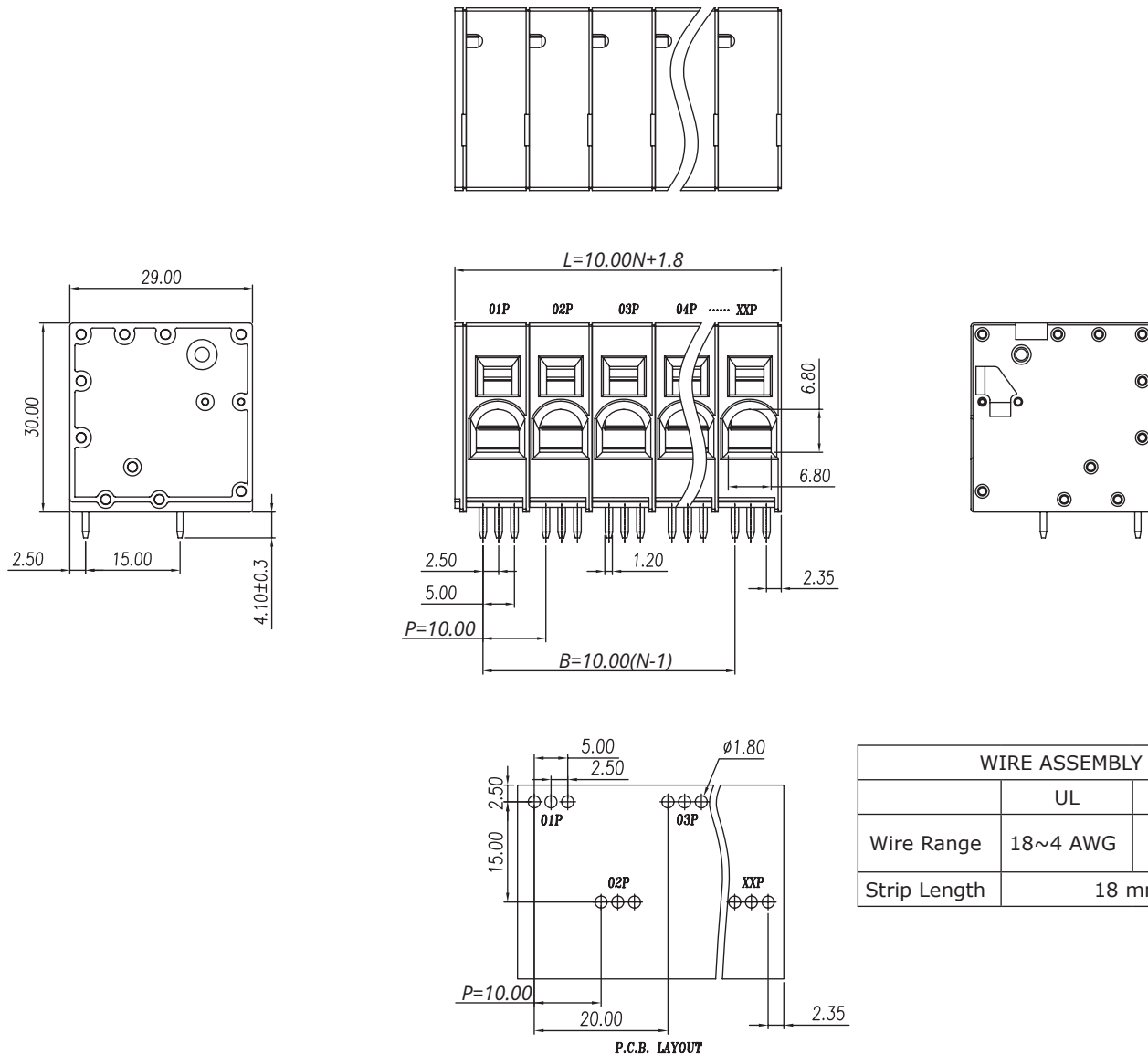


*Standard housing color is blue. All other colors are subject to higher MOQ. Please inquire with CUI Devices sales for details.

MECHANICAL DRAWING

units: mm
 tolerance:
 $X \leq 6.00$: ± 0.20 mm
 $6.00 < X \leq 10.00$: ± 0.30 mm
 $10.00 < X \leq 30.00$: ± 0.50 mm
 $30.00 < X \leq 60.00$: ± 0.70 mm
 $60.00 < X \leq 100.00$: ± 1.00 mm
 $100.00 < X \leq 160.00$: ± 1.30 mm
 $X > 160.00$: ± 1.60 mm
 unless otherwise noted

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



| WIRE ASSEMBLY | | |
|---------------|----------|-------------------------|
| | UL | IEC |
| Wire Range | 18~4 AWG | 0.75~16 mm ² |
| Strip Length | 18 mm | |

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 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 |
| L | 21.80 | 31.80 | 41.80 | 51.80 | 61.80 | 71.80 | 81.80 | 91.80 | 101.80 | 111.80 | 121.80 | 131.80 |
| B | 10.00 | 20.00 | 30.00 | 40.00 | 50.00 | 60.00 | 70.00 | 80.00 | 90.00 | 100.00 | 110.00 | 120.00 |
| N | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | -- |
| L | 141.80 | 151.80 | 161.80 | 171.80 | 181.80 | 191.80 | 201.80 | 211.80 | 221.80 | 231.80 | 241.80 | -- |
| B | 130.00 | 140.00 | 150.00 | 160.00 | 170.00 | 180.00 | 190.00 | 200.00 | 210.00 | 220.00 | 230.00 | -- |

REVISION HISTORY

| rev. | description | date |
|------|-------------------|------------|
| 1.0 | initial release | 08/13/2019 |
| 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.

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