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same sky



# 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<br>IEC | | | 600<br>1000 | V<br>V |
| rated current (per contact) | UL<br>IEC | | | 66<br>76 | A<br>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

TBL008-1000 - XX XX

Base Number

No. of Poles:
02 10 18
03 11 19
04 12 20
05 13 21
06 14 22
07 15 23
08 16 24
09 17

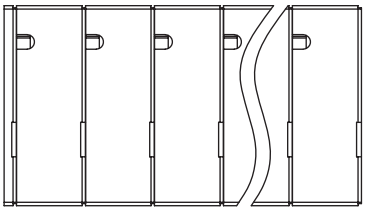
Body Color:
*BE = blue
GR = green
OR = orange
YL = yellow
GY = gray
BK = black

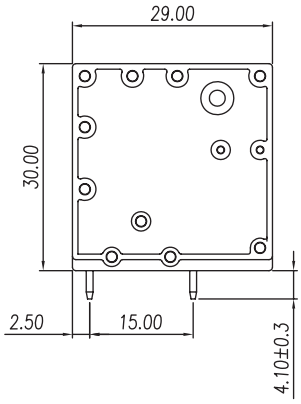
*Standard housing color is blue. All other colors are subject to higher MOQ. Please inquire with Same Sky sales for details.

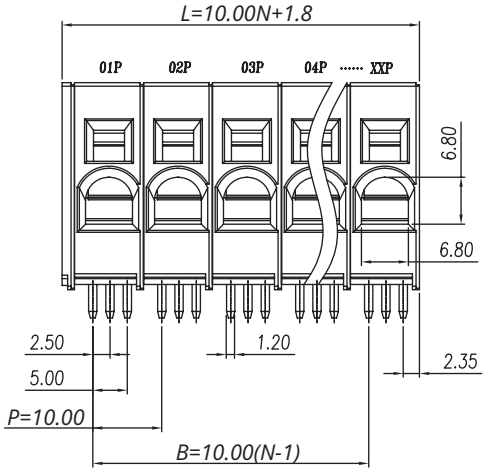
## MECHANICAL DRAWING

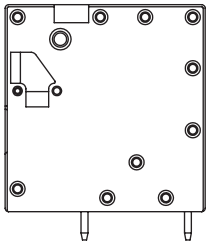
units: mm
tolerance:
X≤6.00: ±0.20 mm
6.00<X≤10.00: ±0.30 mm
10.00<X≤30.00: ±0.50 mm
30.00<X≤60.00: ±0.70 mm
60.00<X≤100.00: ±1.00 mm
100.00<X≤160.00: ±1.30 mm
X>160.00: ±1.60 mm
unless otherwise noted

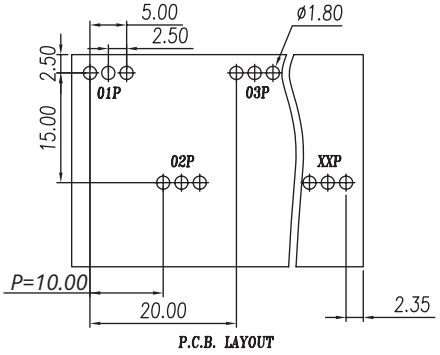
| DESCRIPTION | MATERIAL | PLATING/COLOR |
|---|---|---|
| housing | PA66 (UL94V-0) | |
| contacts | copper alloy | tin |








| WIRE ASSEMBLY | | |
|---|---|---|
| | UL | IEC |
| Wire Range | 18~4 AWG | 0.75~ 16 mm² |
| 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 |
| 1.03 | logo, datasheet style update | 08/12/2022 |
| 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.

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

Same Sky 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.