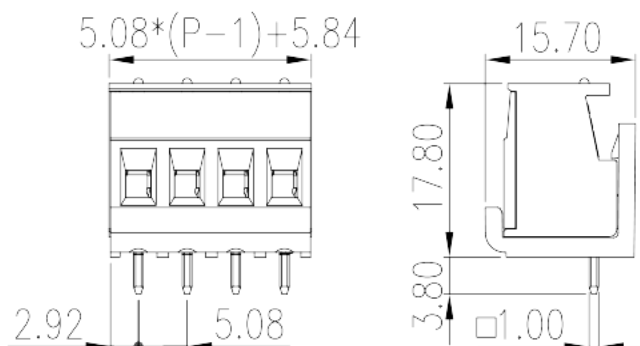


# 0164-A1XX(T)

PCB Terminal Blocks > PCB Connector-Plug

Date:2026-03-23



The web catalog is for reference only. Dinkle remains the right of product modification and engineering change of the design.  
The final product is made according to engineering drawing.

## Product Description

Pitch : 5.08 mm, 300V, 10A(sol)/15A(str)

## General information

|                                        |                                       |
|----------------------------------------|---------------------------------------|
| Short description                      | PCB Terminal Blocks, Screw Connection |
| Category                               | PCB Terminal Blocks                   |
| Pitch (mm)                             | 5.08                                  |
| Color                                  | Black (default)                       |
| Connection method                      | Screw Connection                      |
| Type of locking                        | With lock flange                      |
| Soldering method                       | Wave Soldering                        |
| Length (mm)                            | $5.08 \times (P-1) + 5.84$            |
| Width (mm)                             | 15.7                                  |
| Height (mm)                            | 17.8                                  |
| Pin dimensions (Thickness x Width)(mm) | 1.0x1.0                               |
| PCB hole diameter (mm)                 | 1.5                                   |
| Number of positions                    | 02P~24P                               |

## Material information

|                     |    |
|---------------------|----|
| Insulation material | PA |
|---------------------|----|

|                                              |                   |
|----------------------------------------------|-------------------|
| Insulation material group                    | I                 |
| Flame retardant rating , compliant with UL94 | V0                |
| Insulation resistance                        | ≥500MΩ at DC 500V |
| Conductor material                           | COPPER ALLOY      |
| Plating of conductor surface                 | Tin PLATED        |

## Connection data-IEC

|                                                                                              |      |
|----------------------------------------------------------------------------------------------|------|
| Rated voltage (V)                                                                            | 320  |
| Rated current (A)                                                                            | 15   |
| Rated voltage (II/2)(V)                                                                      | 630  |
| Rated voltage (III/2) (V)                                                                    | 320  |
| Rated voltage (III/3)(V)                                                                     | 250  |
| Rated impulse voltage (II/2)(KV)                                                             | 4    |
| Rated impulse voltage (III/2)(KV)                                                            | 4    |
| Rated impulse voltage (III/3)(KV)                                                            | 4    |
| Conductor cross section solid. min (mm²)                                                     | 0.2  |
| Conductor cross section solid.max (mm²)                                                      | 2.5  |
| Conductor cross section stranded. min (mm²)                                                  | 0.2  |
| Conductor cross section stranded. max (mm²)                                                  | 2.5  |
| Conductor cross section flexible, with min ferrule without plastic sleeve (mm²)              | 0.25 |
| Conductor cross section flexible, with max ferrule without plastic sleeve (mm²)              | 2.5  |
| Conductor cross section flexible, with min ferrule with plastic sleeve (mm²)                 | 0.25 |
| Conductor cross section flexible, with max ferrule with plastic sleeve (mm²)                 | 2.5  |
| 2 conductors with same cross section, solid, min (mm²)                                       | 0.2  |
| 2 conductors with same cross section, solid, max (mm²)                                       | 1    |
| 2 conductors with same cross section, stranded, min (mm²)                                    | 0.2  |
| 2 conductors with same cross section, stranded, max (mm²)                                    | 1    |
| 2 conductors with same cross section flexible, with min ferrule without plastic sleeve (mm²) | 0.25 |
| 2 conductors with same cross section flexible, with max ferrule without plastic sleeve (mm²) | 1    |
| 2 conductors with same cross section flexible, min twin ferrules with plastic sleeve (mm²)   | 0.5  |

|                                                                                                         |         |
|---------------------------------------------------------------------------------------------------------|---------|
| 2 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm <sup>2</sup> ) | 1       |
| Screw thread                                                                                            | M2.5    |
| Philips screwdriver size                                                                                | 0.6x3.5 |
| Recommend tightening torque. min (N.m)                                                                  | 0.4     |
| Recommend tightening torque. max (N.m)                                                                  | 0.5     |
| Stripping Length (mm)                                                                                   | 6~7     |

## Connection data-UL

|                                                  |                   |
|--------------------------------------------------|-------------------|
| Rated voltage (UL/CUL Group B)(V)                | 300               |
| Rated current (UL/CUL Group B)(A)                | 10                |
| Rated voltage (UL/CUL Group D)(V)                | 300               |
| Rated current (UL/CUL Group D)(A)                | 10                |
| Min. solid wire connection (AWG) acc. to UL/CUL  | 26                |
| Max. solid wire connection AWG acc. to UL/CUL    | 12(sol) / 16(str) |
| Min. stranded wire connection AWG acc. to UL/CUL | 26                |
| Max. stranded wire connection AWG acc. to UL/CUL | 12(sol) / 16(str) |

## Environment & Safety

|                                 |     |
|---------------------------------|-----|
| Finger protection (YES or NO)   | YES |
| Operating temperature. max (°C) | 120 |
| Operating temperature. min (°C) | -40 |

## UL Recognized

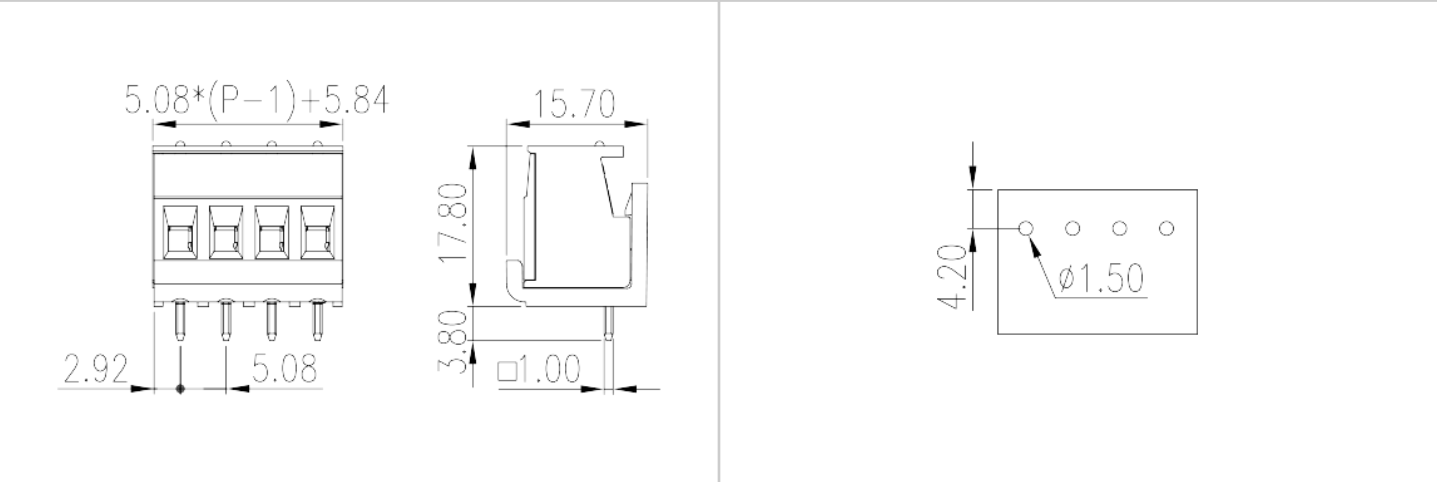
|                            |                         |
|----------------------------|-------------------------|
| Wire Range (Group B)(AWG)  | 26~12(sol) / 26~16(str) |
| Rated voltage (Group B)(V) | 300                     |
| Rated current (Group B)(A) | 10A(sol)/15A(str)       |
| Wire Range (Group D)(AWG)  | 26~12                   |
| Rated voltage (Group D)(V) | 300                     |
| Rated current (Group D)(A) | 10                      |

## CUL Recognized

|                            |                         |
|----------------------------|-------------------------|
| Wire Range (Group B)(AWG)  | 26~12(sol) / 26~16(str) |
| Rated voltage (Group B)(V) | 300                     |
| Rated current (Group B)(A) | 10A(sol)/15A(str)       |

|                            |       |
|----------------------------|-------|
| Wire Ranget (Group D)(AWG) | 26~12 |
| Rated voltage (Group D)(V) | 300   |
| Rated current (Group D)(A) | 10    |

### Drawings



### Approvals

