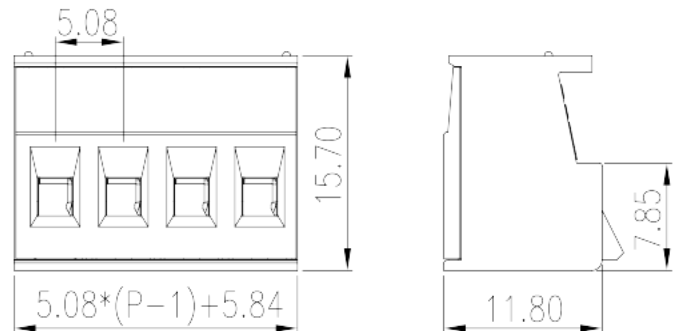


# 0164-01XX

PCB Terminal Blocks &gt; PCB Connector-Plug

Date:2025-09-17



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 Connector - Plug, Screw Connection |
| Category            | PCB Connector - Plug                   |
| Pitch (mm)          | 5.08                                   |
| Color               | Black (default)                        |
| Connection method   | Screw Connection                       |
| Type of locking     | With lock flange                       |
| Length (mm)         | $5.08*(P-1)+5.84$                      |
| Width (mm)          | 13.4                                   |
| Height (mm)         | 15.7                                   |
| Number of positions | 02P~24P                                |

## Material information

|  |                              |
|--|------------------------------|
| Insulation material                          | PA                           |
| Insulation material group                    | I                            |
| Flame retardant rating , compliant with UL94 | V0                           |
| Insulation resistance                        | $\geq 500M\Omega$ 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 (mm <sup>2</sup> )   | 0.2  |
| Conductor cross section solid.max (mm <sup>2</sup> )  | 2.5  |
| Conductor cross section stranded. min (mm <sup>2</sup> )  | 0.2  |
| Conductor cross section stranded. max (mm <sup>2</sup> )  | 2.5  |
| Conductor cross section flexible, with min ferrule without plastic sleeve (mm <sup>2</sup> )              | 0.25 |
| Conductor cross section flexible, with max ferrule without plastic sleeve (mm <sup>2</sup> )              | 2.5  |
| Conductor cross section flexible, with min ferrule with plastic sleeve (mm <sup>2</sup> )                 | 0.25 |
| Conductor cross section flexible, with max ferrule with plastic sleeve (mm <sup>2</sup> )                 | 2.5  |
| 2 conductors with same cross section, solid, min (mm <sup>2</sup> )                                       | 0.2  |
| 2 conductors with same cross section, solid, max (mm <sup>2</sup> )                                       | 1    |
| 2 conductors with same cross section, stranded, min (mm <sup>2</sup> )                                    | 0.2  |
| 2 conductors with same cross section, stranded, max (mm <sup>2</sup> )                                    | 1    |
| 2 conductors with same cross section flexible, with min ferrule without plastic sleeve (mm <sup>2</sup> ) | 0.25 |
| 2 conductors with same cross section flexible, with max ferrule without plastic sleeve (mm <sup>2</sup> ) | 1    |
| 2 conductors with same cross section flexible, min twin ferrules with plastic sleeve (mm <sup>2</sup> )   | 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               | 0.6*3.5 |
| Recommend tightening torque. min (N.m) | 0.5     |
| Recommend tightening torque. max (N.m) | 0.6     |
| Stripping Length (mm)                  | 6~7     |

## Connection data-UL

|  |                   |
|--|-------------------|
| Rated voltage (UL/CUL Group B)(V)                | 300               |
| Rated current (UL/CUL Group B)(A)                | 10A(sol)/15A(str) |
| 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 |

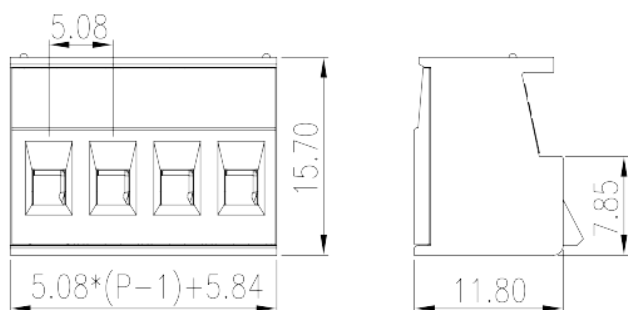
## UL Recognized

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

## Drawings



## Approvals

