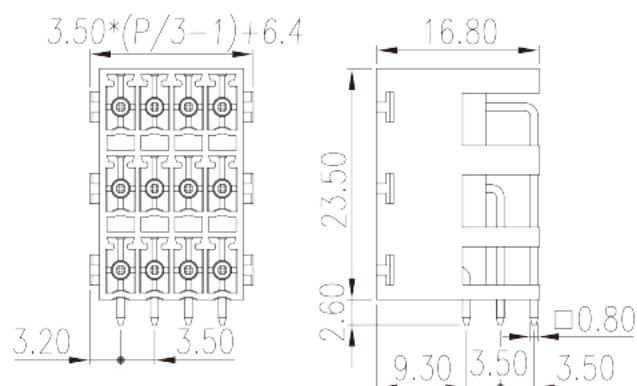


# 0221-27XXL

PCB Terminal Blocks > PCB Connector-Socket

Date:2025-06-11



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 : 3.50 mm, 300V, 8A

## General information

|  |   |
|--|---|
| Short description                      | PCB Connector – Socket  |
| Category                               | PCB Connector – Socket  |
| Pitch (mm)                             | 3.5   |
| Color                                  | Refer to drawing  |
| Type of locking                        | Without   |
| Soldering method                       | Reflow Soldering (Temperature condition according to standard IPC/JEDEC J-STD-020E) |
| Length (mm)                            | $3.50 \times (P/3 - 1) + 6.4$   |
| Width (mm)                             | 16.8  |
| Height (mm)                            | 23.5  |
| Pin demensions (Thickness x Width)(mm) | 0.8x0.8   |
| PCB hole diameter (mm)                 | 1.3~1.4   |
| Number of poles                        | 6~72P   |
| Level                                  | 3   |

## Material information

|  |                           |
|--|---------------------------|
| Insulation material                          | HIGH-TEMPERATURE PLASTICS |
| 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                |
| MSL  | 2                         |

## Connection data-IEC

|                                   |     |
|-----------------------------------|-----|
| Rated voltage (V)                 | 320 |
| Rated current (A)                 | 8   |
| Rated voltage (II/2)(V)           | 320 |
| Rated voltage (III/2) (V)         | 200 |
| Rated voltage (III/3)(V)          | 200 |
| Rated impulse voltage (II/2)(KV)  | 2.5 |
| Rated impulse voltage (III/2)(KV) | 2.5 |
| Rated impulse voltage (III/3)(KV) | 2.5 |

## Connection data-UL

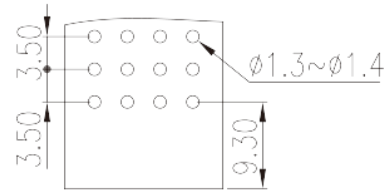
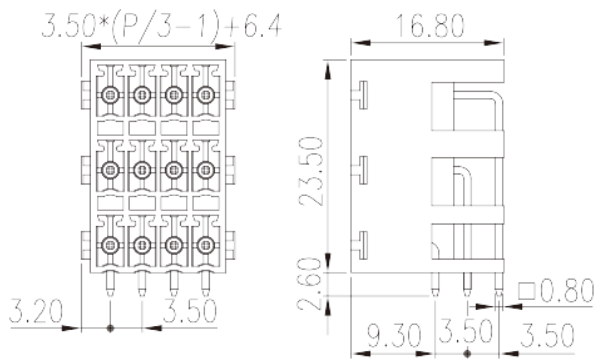
|                                   |     |
|-----------------------------------|-----|
| Rated voltage (UL/CUL Group B)(V) | 300 |
| Rated current (UL/CUL Group B)(A) | 8   |
| Rated voltage (UL/CUL Group D)(V) | 300 |
| Rated current (UL/CUL Group D)(A) | 8   |

## Environment & Safety

|   |     |
|---|-----|
| Back of the hand protection (YES or NO) | YES |
| Finger protection (YES or NO)           | YES |
| Operating temperature. max (°C)         | 130 |
| Operating temperature. min (°C)         | -40 |

## Drawings

|  |  |
|--|--|
|  |  |
|--|--|



## Approvals

