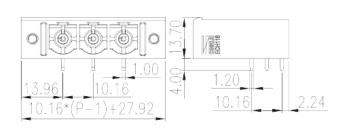


# ECH116RM-XXP

PCB Terminal Blocks > PCB Connector-Socket

Date:2025-11-16





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: 10.16 mm, 600V, 51A

### General information

| Short description                      | PCB Connector–Socket, Wave soldering |
|--|--------------------------------------|
| Category                               | PCB Connector–Socket                 |
| Pitch (mm)                             | 10.16                                |
| Color                                  | Green (default)                      |
| Type of locking                        | With threaded flange                 |
| Soldering method                       | Wave soldering                       |
| Length (mm)                            | 10.16*(P-1)+27.92                    |
| Width (mm)                             | 32                                   |
| Height (mm)                            | 13.7                                 |
| Pin demensions (Thickness x Width)(mm) | 1.0x1.2                              |
| PCB hole diameter (mm)                 | 1.75~1.85                            |
| Number of positions                    | 02P~08P                              |
| Level                                  | Single level                         |
| Connection points                      | 1                                    |

#### Material information

| Insulation material   | PA                           |
|---|------------------------------|
| Insulation material group   | I                            |
| Flame retardant rating , compliant with UL94  | VO                           |
| Insulation resistance   | □500MΩ at DC 500V            |
| Conductor material  | COPPER ALLOY                 |
| Plating of conductor surface  | Ag PLATED                    |
| Connection data-IEC   |                              |
| Rated voltage (V)   | 1000                         |
| Rated current (A)   | 76                           |
| Rated voltage (II/2)(V)   | 1000                         |
| Rated voltage (III/2) (V)   | 1000                         |
| Rated voltage (III/3)(V)  | 1000                         |
| Rated impulse voltage (II/2)(KV)  | 6                            |
| Rated impulse voltage (III/2)(KV)   | 8                            |
| Rated impulse voltage (III/3)(KV)   | 8                            |
| Tightening torque with flange. max (N.m)  | 0.5                          |
| Connection data-UL  |                              |
| Rated voltage (UL/CUL Group B)(V)   | 300                          |
| Rated current (UL/CUL Group B)(A)   | 51                           |
| Rated voltage (UL/CUL Group C)(V)   | 300                          |
| Rated current (UL/CUL Group C)(A)   | F1                           |
|   | 51                           |
| Rated voltage (UL/CUL Group D)(V)   | 600                          |
| Rated voltage (UL/CUL Group D)(V)  Rated current (UL/CUL Group D)(A)  |                              |
|   | 600                          |
| Rated current (UL/CUL Group D)(A)   | 600                          |
| Rated current (UL/CUL Group D)(A)  Environment & Safety   | 600<br>5                     |
| Rated current (UL/CUL Group D)(A)  Environment & Safety  Finger protection (YES or NO)  | 600<br>5<br>YES              |
| Rated current (UL/CUL Group D)(A)  Environment & Safety  Finger protection (YES or NO)  Operating temperature. max (°C)   | 600<br>5<br>YES<br>120       |
| Rated current (UL/CUL Group D)(A)  Environment & Safety  Finger protection (YES or NO)  Operating temperature. max (°C)  Operating temperature. min (°C)                | 600<br>5<br>YES<br>120       |
| Rated current (UL/CUL Group D)(A)  Environment & Safety  Finger protection (YES or NO)  Operating temperature. max (°C)  Operating temperature. min (°C)  JL Recognized | 600<br>5<br>YES<br>120<br>40 |

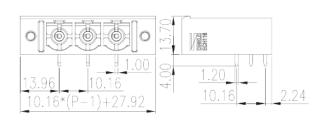


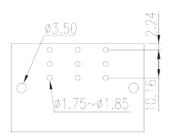
| Rated current (Group C)(A) | 51  |
|----------------------------|-----|
| Rated voltage (Group D)(V) | 600 |
| Rated current (Group D)(A) | 5   |

## **CUL** Recognized

| Rated voltage (Group B)(V) | 300 |
|----------------------------|-----|
| Rated current (Group B)(A) | 51  |
| Rated voltage (Group C)(V) | 300 |
| Rated current (Group C)(A) | 51  |
| Rated voltage (Group D)(V) | 600 |
| Rated current (Group D)(A) | 5   |

# Drawings





### **Approvals**







