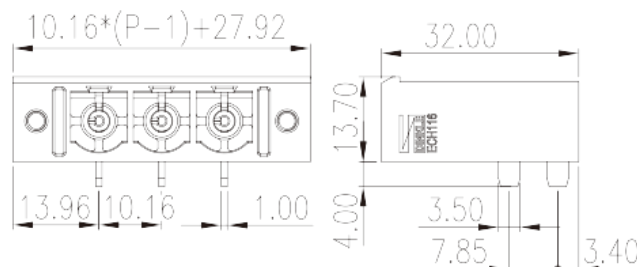
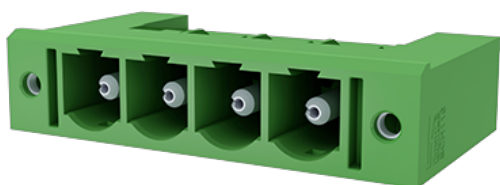


# ECH116HRSM-XXP

PCB Terminal Blocks > PCB Connector-Socket

Date:2025-12-20



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 :10.16mm, 600V, 51A

## General information

|                                        |                          |
|----------------------------------------|--------------------------|
| Short description                      | PCB Connector            |
| Category                               | PCB Connector – Socket   |
| Pitch (mm)                             | 10.16                    |
| Color                                  | Green (default)          |
| Type of locking                        | With threaded flange     |
| Soldering method                       | Wave Soldering           |
| Length (mm)                            | $10.16 \times P + 17.76$ |
| Width (mm)                             | 13.7                     |
| Height (mm)                            | 32                       |
| Pin demensions (Thickness x Width)(mm) | 1x3.5                    |
| PCB hole diameter (mm)                 | 1.5*4.7                  |
| Number of positions                    | 02P~08P                  |
| Level                                  | Single level             |

## 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                 | 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) | 600 |
| Rated current (UL/CUL Group B)(A) | 51  |
| Rated voltage (UL/CUL Group C)(V) | 600 |
| Rated current (UL/CUL Group C)(A) | 51  |
| Rated voltage (UL/CUL Group D)(V) | 600 |
| Rated current (UL/CUL Group D)(A) | 5   |

## Environment & Safety

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

## UL Recognized

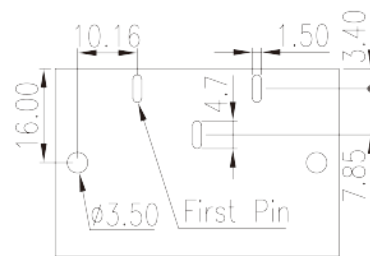
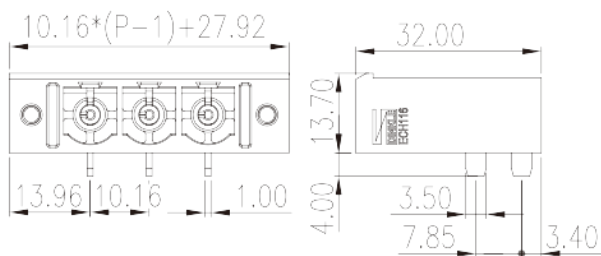
|                            |     |
|----------------------------|-----|
| Rated voltage (Group B)(V) | 600 |
| Rated current (Group B)(A) | 51  |
| Rated voltage (Group C)(V) | 600 |
| Rated current (Group C)(A) | 51  |

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

## CUL Recognized

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

## Drawings



## Approvals

