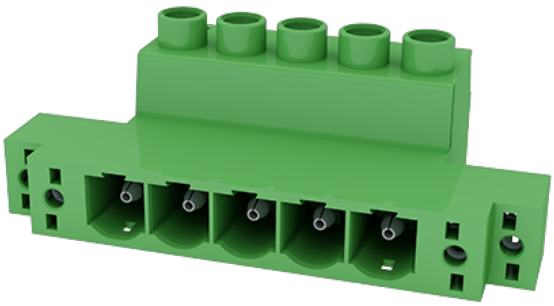
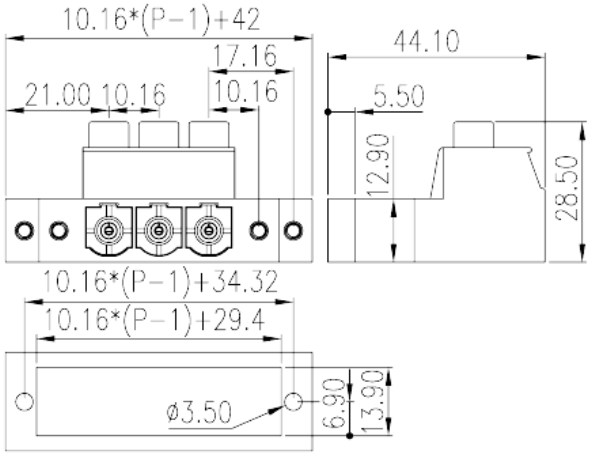
# ECSH116MK-XXP

PCB Terminal Blocks > PCB Connector-Socket

Date:2026-11-17






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: 10.16mm , M4, 600V, 51A

## General information

| | |
|---|---|
| Short description | PCB Connector – Socket, Screw Connection |
| Category | PCB Connector – Socket |
| Pitch (mm) | 10.16 |
| Color | Green (default) |
| Connection method | Screw Connection |
| Type of locking | With threaded flange |
| Length (mm) | 10.16*(P-1)+42 |
| Width (mm) | 44.1 |
| Height (mm) | 28.5 |
| Number of positions | 02P~08P |
| Level | Single level |

## Material information

| | |
|---|---|
| Insulation material | PA |
| Insulation material group | I |
| Flame retardant rating , compliant with UL94 | V0 |


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| | |
|---|---|
| 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) | 8 |
| Rated impulse voltage (III/2)(KV) | 8 |
| Rated impulse voltage (III/3)(KV) | 8 |
| Conductor cross section solid. min (mm²) | 0.5 |
| Conductor cross section solid.max (mm²) | 16 |
| Conductor cross section stranded. min (mm²) | 0.5 |
| Conductor cross section stranded. max (mm²) | 16 |
| Conductor cross section flexible, with min ferrule without plastic sleeve (mm²) | 0.5 |
| Conductor cross section flexible, with max ferrule without plastic sleeve (mm²) | 16 |
| Conductor cross section flexible, with min ferrule with plastic sleeve (mm²) | 0.5 |
| Conductor cross section flexible, with max ferrule with plastic sleeve (mm²) | 10 |
| 2 conductors with same cross section, solid, min (mm²) | 0.5 |
| 2 conductors with same cross section, solid, max (mm²) | 6 |
| 2 conductors with same cross section, stranded, min (mm²) | 0.5 |
| 2 conductors with same cross section, stranded, max (mm²) | 6 |
| 2 conductors with same cross section flexible, with min ferrule without plastic sleeve (mm²) | 0.5 |
| 2 conductors with same cross section flexible, with max ferrule without plastic sleeve (mm²) | 4 |
| 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 (mm²) | 4 |


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| | |
|---|---|
| Screw thread | M4 |
| Slotted screwdriver size (Blade thickness x Width)(mm) | 1x5.5 |
| Rated torque (N.m) | 1.2 ( IEC ) 1.8 ( UL ) |
| Recommend tightening torque. min (N.m) | 1.2 |
| Recommend tightening torque. max (N.m) | 1.5 |
| Tightening torque with flange. max (N.m) | 0.5 |
| Stripping Length (mm) | 14~15 |

## 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 |
| Min. solid wire connection (AWG) acc. to UL/CUL | 16 |
| Max. solid wire connection AWG acc. to UL/CUL | 6 |
| Min. stranded wire connection AWG acc. to UL/CUL | 16 |
| Max. stranded wire connection AWG acc. to UL/CUL | 6 |

## Environment & Safety

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

## UL Recognized

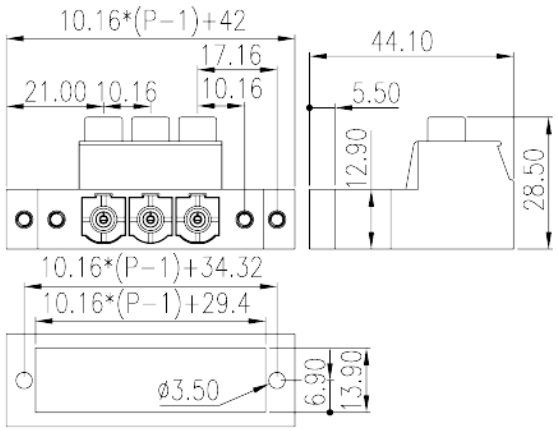
| | |
|---|---|
| Wire Range (Group B)(AWG) | 16~6 |
| Rated voltage (Group B)(V) | 600 |
| Rated current (Group B)(A) | 51 |
| Wire Range (Group C)(AWG) | 16~6 |
| Rated voltage (Group C)(V) | 600 |
| Rated current (Group C)(A) | 51 |
| Wire Range (Group D)(AWG) | 16~6 |
| Rated voltage (Group D)(V) | 600 |
| Rated current (Group D)(A) | 5 |


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## CUL Recognized

| | |
|---|---|
| Wire Range (Group B)(AWG) | 16~6 |
| Rated voltage (Group B)(V) | 600 |
| Rated current (Group B)(A) | 51 |
| Wire Range (Group C)(AWG) | 16~6 |
| Rated voltage (Group C)(V) | 600 |
| Rated current (Group C)(A) | 51 |
| Wire Ranget (Group D)(AWG) | 16~6 |
| Rated voltage (Group D)(V) | 600 |
| Rated current (Group D)(A) | 5 |

## Drawings




## Approvals


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