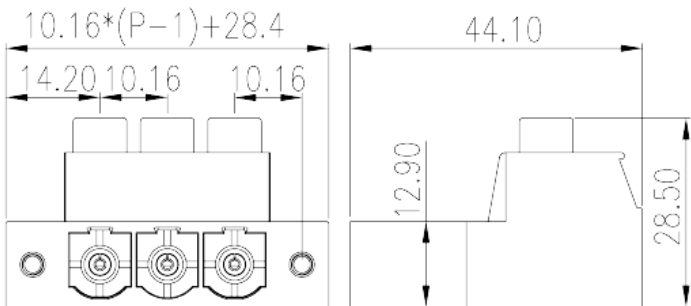
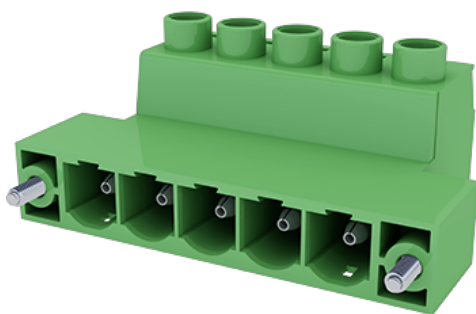


# ECSH116M-XXP

PCB Terminal Blocks > PCB Connector-Socket

Date:2025-08-27



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)	$10.16 \times (P-1) + 28.4$
Width (mm)	44.1
Height (mm)	28.5
Number of positions	02P~10P
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)	8
Rated impulse voltage (III/2)(KV)	8
Rated impulse voltage (III/3)(KV)	8
Conductor cross section solid. min (mm <sup>2</sup> )	0.5
Conductor cross section solid.max (mm <sup>2</sup> )	16
Conductor cross section stranded. min (mm <sup>2</sup> )	0.5
Conductor cross section stranded. max (mm <sup>2</sup> )	16
Conductor cross section flexible, with min ferrule without plastic sleeve (mm <sup>2</sup> )	0.5
Conductor cross section flexible, with max ferrule without plastic sleeve (mm <sup>2</sup> )	16
Conductor cross section flexible, with min ferrule with plastic sleeve (mm <sup>2</sup> )	0.5
Conductor cross section flexible, with max ferrule with plastic sleeve (mm <sup>2</sup> )	10
2 conductors with same cross section, solid, min (mm <sup>2</sup> )	0.5
2 conductors with same cross section, solid, max (mm <sup>2</sup> )	6
2 conductors with same cross section, stranded, min (mm <sup>2</sup> )	0.5
2 conductors with same cross section, stranded, max (mm <sup>2</sup> )	6
2 conductors with same cross section flexible, with min ferrule without plastic sleeve (mm <sup>2</sup> )	0.5
2 conductors with same cross section flexible, with max ferrule without plastic sleeve (mm <sup>2</sup> )	4
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> )	4

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

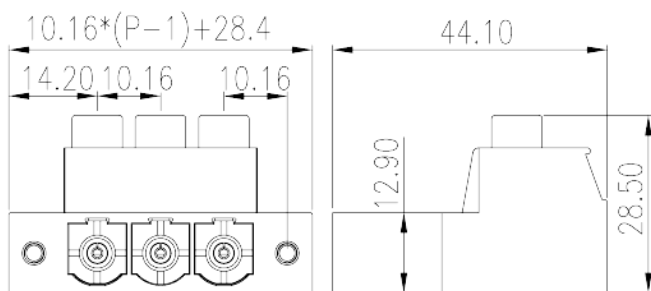
## UL Recognized

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

## 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 Range (Group D)(AWG)	16~6
Rated voltage (Group D)(V)	600
Rated current (Group D)(A)	5

## Drawings



## Approvals

