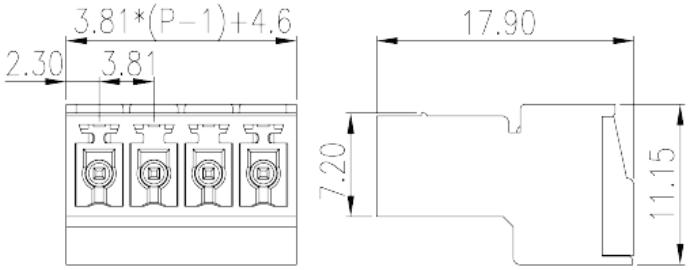
ECSH381V-XXP

PCB Terminal Blocks > PCB Connector-Socket

Date:2026-11-24Version:1.1





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The final product is made according to engineering drawing.

Product Description

Pitch : 3.81 mm, 300V, 8A

General information

Short description	PCB Connector –Socket, Screw Connection
Category	PCB Connector –Socket
Pitch (mm)	3.81
Color	Green (default)
Connection method	Screw Connection
Type of locking	Without
Length (mm)	3.81*(P-1)+4.60
Width (mm)	17.9
Height (mm)	11.15
Number of positions	02P~24P
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	Tin PLATED

Connection data-IEC

Rated voltage (V)	320
Rated current (A)	12
Rated voltage (II/2)(V)	320
Rated voltage (III/2) (V)	160
Rated voltage (III/3)(V)	160
Rated impulse voltage (II/2)(KV)	2.5
Rated impulse voltage (III/2)(KV)	2.5
Rated impulse voltage (III/3)(KV)	2.5
Conductor cross section solid. min (mm^2)	0.2
Conductor cross section solid.max (mm^2)	1.5
Conductor cross section stranded. min (mm^2)	0.2
Conductor cross section stranded. max (mm^2)	1.5
Conductor cross section flexible, with min ferrule without plastic sleeve (mm^2)	0.25
Conductor cross section flexible, with max ferrule without plastic sleeve (mm^2)	1
Conductor cross section flexible, with min ferrule with plastic sleeve (mm^2)	0.25
Conductor cross section flexible, with max ferrule with plastic sleeve (mm^2)	0.5
2 conductors with same cross section, solid, min (mm^2)	0.2
2 conductors with same cross section, solid, max (mm^2)	0.75
2 conductors with same cross section, stranded, min (mm^2)	0.2
2 conductors with same cross section, stranded, max (mm^2)	0.75
2 conductors with same cross section flexible, with min ferrule without plastic sleeve (mm^2)	0.25
2 conductors with same cross section flexible, with max ferrule without plastic sleeve (mm^2)	0.34
2 conductors with same cross section flexible, min twin ferrules with plastic sleeve (mm^2)	0.5
2 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm^2)	0.5

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Slotted screwdriver size (Blade thickness x Width)(mm)	0.4x2.5
Philips screwdriver size	M2
Rated torque (N.m)	0.2
Stripping Length (mm)	6~7

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
Min. solid wire connection (AWG) acc. to UL/CUL	30
Max. solid wire connection AWG acc. to UL/CUL	14
Min. stranded wire connection AWG acc. to UL/CUL	30
Max. stranded wire connection AWG acc. to UL/CUL	14

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)	30~14
Rated voltage (Group B)(V)	300
Rated current (Group B)(A)	8
Wire Range (Group D)(AWG)	30~14
Rated voltage (Group D)(V)	300
Rated current (Group D)(A)	8

CUL Recognized

Wire Range (Group B)(AWG)	30~14
Rated voltage (Group B)(V)	300
Rated current (Group B)(A)	8
Wire Ranget (Group D)(AWG)	30~14
Rated voltage (Group D)(V)	300
Rated current (Group D)(A)	8

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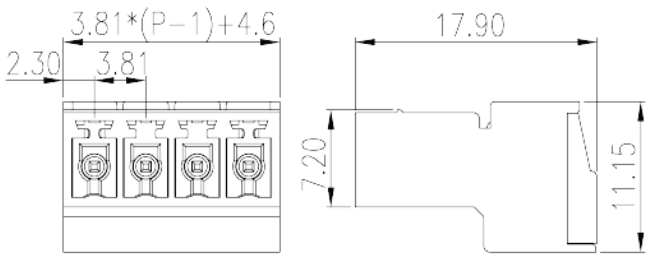
Drawings



Approvals

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