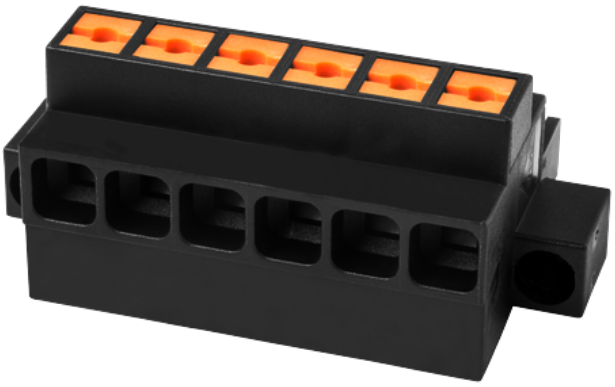
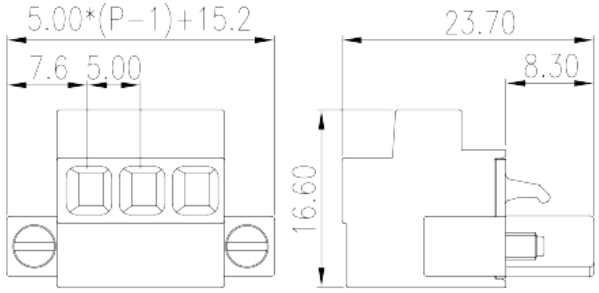
5ESVM-XXP

PCB Terminal Blocks > PCB Connector-Plug

Date:2026-09-10Version:1.1





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Product Description

Pitch : 5.00 mm, 300V, 10A

General information

Short description	PCB Connector – Plug, Push-in Design
Category	PCB Connector – Plug
Pitch (mm)	5.00
Color	Black (default)
Connection method	Push in Design
Type of locking	With screw flange
Length (mm)	5.00*(P-1)+15.2
Width (mm)	23.7
Height (mm)	16.6
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)	600
Rated current (A)	18
Rated voltage (II/2)(V)	600
Rated voltage (III/2) (V)	320
Rated voltage (III/3)(V)	320
Rated impulse voltage (II/2)(KV)	4
Rated impulse voltage (III/2)(KV)	4
Rated impulse voltage (III/3)(KV)	4
Conductor cross section solid. min (mm²)	0.2
Conductor cross section solid.max (mm²)	2.5
Conductor cross section stranded. min (mm²)	0.2
Conductor cross section stranded. max (mm²)	2.5
Conductor cross section flexible, with min ferrule without plastic sleeve (mm²)	0.25
Conductor cross section flexible, with max ferrule without plastic sleeve (mm²)	2.5
Conductor cross section flexible, with min ferrule with plastic sleeve (mm²)	0.25
Conductor cross section flexible, with max ferrule with plastic sleeve (mm²)	2.5
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)	1
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)	1
Slotted screwdriver size (Blade thickness x Width)(mm)	0.6*3.5
Rated torque (N.m)	0.3
Stripping Length (mm)	10~11

Connection data-UL

Rated voltage (UL/CUL Group B)(V)	300

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Rated current (UL/CUL Group B)(A)	10
Rated voltage (UL/CUL Group D)(V)	300
Rated current (UL/CUL Group D)(A)	10
Min. solid wire connection (AWG) acc. to UL/CUL	26
Max. solid wire connection AWG acc. to UL/CUL	12
Min. stranded wire connection AWG acc. to UL/CUL	26
Max. stranded wire connection AWG acc. to UL/CUL	12

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)	26~12
Rated voltage (Group B)(V)	300
Rated current (Group B)(A)	10
Wire Range (Group D)(AWG)	26~12
Rated voltage (Group D)(V)	300
Rated current (Group D)(A)	10

CUL Recognized

Wire Range (Group B)(AWG)	26~12
Rated voltage (Group B)(V)	300
Rated current (Group B)(A)	10
Wire Ranget (Group D)(AWG)	26~12
Rated voltage (Group D)(V)	300
Rated current (Group D)(A)	10

VDE Approval

Wire Range (mm^2)	0.2~2.5
Rated voltage (V)	600
Rated current (A)	18

Drawings

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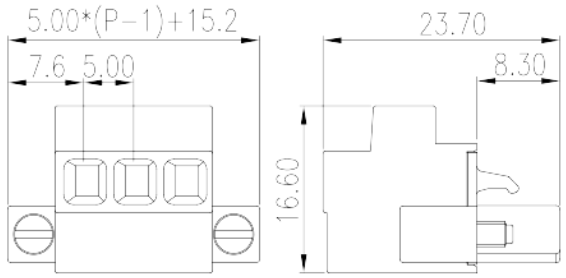

Approvals

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