3ESDVH-XXP

PCB Terminal Blocks > PCB Connector-Plug

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The final product is made according to engineering drawing.

Product Description

Pitch: 7.62mm, M2.5, 600V, 20A

General information

Short description	PCB Connector-Plug, Screw Connection
Category	PCB Connector – Plug
Pitch (mm)	7.62
Color	Green (default)
Connection method	Screw Connection
Type of locking	Without
Length (mm)	7.62*(P-1)+7.4
Width (mm)	21
Height (mm)	17.5
Number of positions	02P~12P
Level	Single level

Material information

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Insulation material	PA
Insulation material group	I
Flame retardant rating , compliant with UL94	V0
Insulation resistance	≧500MΩ at DC 500V
Conductor material	HIGH PERFORMANCE COPPER ALLOY
Plating of conductor surface	Tin PLATED

Connection data-IEC

Rated voltage (V)	1000
Rated current (A)	18
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)	0.2
Conductor cross section solid.max (mm²)	4
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, solid, min (mm²)	0.2
2 conductors with same cross section, solid, max (mm²)	1
2 conductors with same cross section, stranded, min (mm²)	0.2
2 conductors with same cross section, stranded, max (mm²)	1.5
2 conductors with same cross section flexible, with min ferrule without plastic sleeve (mm²)	0.25
2 conductors with same cross section flexible, with max ferrule without plastic sleeve (mm²)	1

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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
Screw thread	M2.5
Slotted screwdriver size (Blade thickness x Width)(mm)	0.6x3.5
Recommend tightening torque. min (N.m)	0.4
Recommend tightening torque. max (N.m)	0.5
Stripping Length (mm)	7~8

Connection data-UL

Rated voltage (UL/CUL Group B)(V)	600
Rated current (UL/CUL Group B)(A)	20
Rated voltage (UL/CUL Group C)(V)	600
Rated current (UL/CUL Group C)(A)	20
Rated voltage (UL/CUL Group D)(V)	600
Rated current (UL/CUL Group D)(A)	20
Min. solid wire connection (AWG) acc. to UL/CUL	28
Max. solid wire connection AWG acc. to UL/CUL	12
Min. stranded wire connection AWG acc. to UL/CUL	30
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)	28~12(Sol) 30~12(Str)
Rated voltage (Group B)(V)	600
Rated current (Group B)(A)	20
Wire Range (Group C)(AWG)	28~12(Sol) 30~12(Str)
Rated voltage (Group C)(V)	600
Rated current (Group C)(A)	20
Wire Range (Group D)(AWG)	28~12(Sol) 30~12(Str)
Rated voltage (Group D)(V)	600

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Rated current (Group D)(A)	20

CUL Recognized

Wire Range (Group B)(AWG)	28~12(Sol) 30~12(Str)
Rated voltage (Group B)(V)	600
Rated current (Group B)(A)	20
Wire Range (Group C)(AWG)	28~12(Sol) 30~12(Str)
Rated voltage (Group C)(V)	600
Rated current (Group C)(A)	20
Wire Ranget (Group D)(AWG)	28~12(Sol) 30~12(Str)
Rated voltage (Group D)(V)	600
Rated current (Group D)(A)	20

Approvals

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