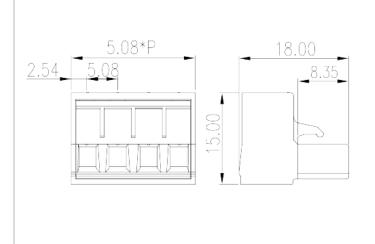


2ESDVH-XXP

PCB Terminal Blocks > PCB Connector-Plug

Date:2025-11-02





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: 5.08mm, M2.5, 300V, 20A

General information

Short description	PCB Connector-Plug, Screw Connection
Category	PCB Connector – Plug
Pitch (mm)	5.08
Color	Green (default)
Connection method	Screw Connection
Type of locking	Without
Length (mm)	5.08*P
Width (mm)	18
Height (mm)	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



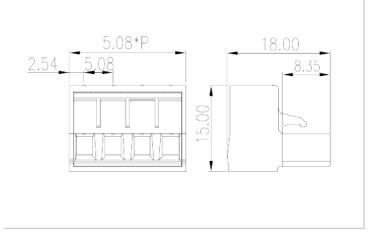
Insulation resistance	≥500MΩ at DC 500V
Conductor material	HIGH PERFORMANCE COPPER ALLOY
Plating of conductor surface	Tin PLATED
Connection data-IEC	
Rated voltage (V)	630
Rated current (A)	18
Rated voltage (II/2)(V)	630
Rated voltage (III/2) (V)	320
Rated voltage (III/3)(V)	320
Rated impulse voltage (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)	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)	1.5
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
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)	1.5

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)	300
Rated current (UL/CUL Group B)(A)	20
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	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
II. Docognized	
JL Recognized	
Wire Range (Group B)(AWG)	28~12(Sol) 30~12(Str)
	28~12(Sol) 30~12(Str) 300
Wire Range (Group B)(AWG)	· , , , , ,
Wire Range (Group B)(AWG) Rated voltage (Group B)(V)	300
Wire Range (Group B)(AWG) Rated voltage (Group B)(V) Rated current (Group B)(A)	300
Wire Range (Group B)(AWG) Rated voltage (Group B)(V) Rated current (Group B)(A) Wire Range (Group D)(AWG)	300 20 28~12(Sol) 30~12(Str)
Wire Range (Group B)(AWG) Rated voltage (Group B)(V) Rated current (Group B)(A) Wire Range (Group D)(AWG) Rated voltage (Group D)(V)	300 20 28~12(Sol) 30~12(Str) 300
Wire Range (Group B)(AWG) Rated voltage (Group B)(V) Rated current (Group B)(A) Wire Range (Group D)(AWG) Rated voltage (Group D)(V) Rated current (Group D)(A)	300 20 28~12(Sol) 30~12(Str) 300
Wire Range (Group B)(AWG) Rated voltage (Group B)(V) Rated current (Group B)(A) Wire Range (Group D)(AWG) Rated voltage (Group D)(V) Rated current (Group D)(A) CUL Recognized	300 20 28~12(Sol) 30~12(Str) 300 10
Wire Range (Group B)(AWG) Rated voltage (Group B)(V) Rated current (Group B)(A) Wire Range (Group D)(AWG) Rated voltage (Group D)(V) Rated current (Group D)(A) CUL Recognized Wire Range (Group B)(AWG)	300 20 28~12(Sol) 30~12(Str) 300 10 28~12(Sol) 30~12(Str)
Wire Range (Group B)(AWG) Rated voltage (Group B)(V) Rated current (Group B)(A) Wire Range (Group D)(AWG) Rated voltage (Group D)(V) Rated current (Group D)(A) CUL Recognized Wire Range (Group B)(AWG) Rated voltage (Group B)(V)	300 20 28~12(Sol) 30~12(Str) 300 10 28~12(Sol) 30~12(Str) 300

Rated current (Group D)(A)

10

Drawings



Approvals





