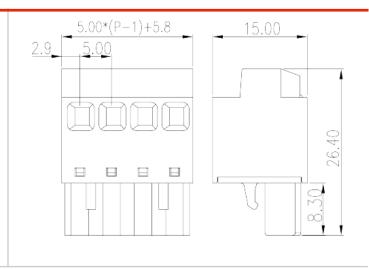


5ESR-XXP

PCB Terminal Blocks > PCB Connector-Plug

Date:2025-11-30Version:1.1





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: 5.00mm, 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	Without
Length (mm)	5.00*(P-1)+5.8
Width (mm)	15
Height (mm)	26.4
Number of positions	02P~24P
Level	Single level

Material information

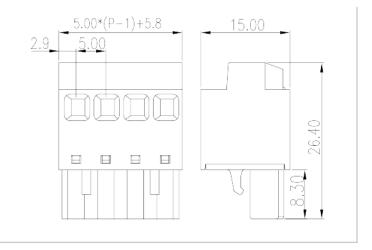
Insulation material	PA
Insulation material group	I
Flame retardant rating , compliant with UL94	V0



Insulation resistance	\square 500Μ Ω 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	
Stripping Length (mm)	10~11	
Connection data-UL		
Rated voltage (UL/CUL Group B)(V)	300	
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
JL 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 (mm²)	0.2~2.5
Rated voltage (V)	600
Rated current (A)	18

Drawings



Approvals







