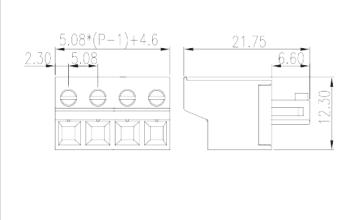


# EC508F-XXP

PCB Terminal Blocks > PCB Connector-Plug

Date:2025-10-18Version: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: 5.08 mm, 300V, 12A

#### General information

Short description	PCB Connector - Plug, Front screw Connection
Category	PCB Connector - Plug
Pitch (mm)	5.08
Color	Green (default)
Connection method	Front screw Connection
Type of locking	Without
Length (mm)	5.08*(P-1)+4.6
Width (mm)	21.75
Height (mm)	12.3
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	COPPER ALLOY
Plating of conductor surface	Tin PLATED
Connection data-IEC	
Rated voltage (V)	630
Rated current (A)	14
Rated voltage (II/2)(V)	630
Rated voltage (III/2) (V)	320
Rated voltage (III/3)(V)	250
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)	1.5
Conductor cross section stranded. min (mm²)	0.2
Conductor cross section stranded. max (mm²)	1.5
Conductor cross section flexible, with min ferrule without plastic sleeve (mm²)	0.25
Conductor cross section flexible, with max ferrule without plastic sleeve (mm²)	0.75
Conductor cross section flexible, with min ferrule with plastic sleeve (mm²)	0.25
Conductor cross section flexible, with max ferrule with plastic sleeve (mm²)	0.5
2 conductors with same cross section, solid, min (mm²)	0.2
2 conductors with same cross section, solid, max (mm²)	0.75
2 conductors with same cross section, stranded, min (mm²)	0.2
2 conductors with same cross section, stranded, max (mm²)	0.75
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)	0.5
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)	0.5

Screw thread	M2
Slotted screwdriver size (Blade thickness x Width)(mm)	0.4x2.5
Philips screwdriver size	PH0
Rated torque (N.m)	0.3
Stripping Length (mm)	8~9
Connection data-UL	
Rated voltage (UL/CUL Group B)(V)	300
Rated current (UL/CUL Group B)(A)	12
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	14
Min. stranded wire connection AWG acc. to UL/CUL	28
Max. stranded wire connection AWG acc. to UL/CUL	14
Finger protection (YES or NO)  Operating temperature. max (°C)  Operating temperature. min (°C)	YES 120 -40
Operating temperature. min (°C)	
JL Recognized	
Wire Range (Group B)(AWG)	28~14
Rated voltage (Group B)(V)	300
Rated current (Group B)(A)	12
Wire Range (Group D)(AWG)	28~14
Rated voltage (Group D)(V)	300
Rated current (Group D)(A)	10
CUL Recognized	
Wire Range (Group B)(AWG)	28~14
Rated voltage (Group B)(V)	300
Rated current (Group B)(A)	12
Wire Ranget (Group D)(AWG)	28~14

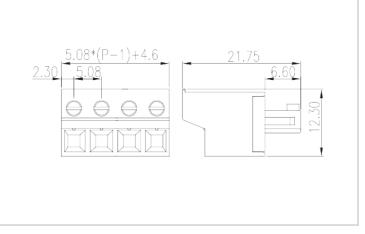


Rated current (Group D)(A)	10

## **VDE** Approval

Wire Range (mm²)	0.2~1.5
Rated voltage (V)	600
Rated current (A)	14

## Drawings



## **Approvals**





