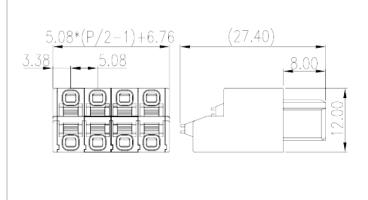


# 0225-09XX

PCB Terminal Blocks > PCB Connector-Plug

Date:2025-11-05Version: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, 8A

#### General information

Short description	PCB Connector – Plug, Push-in Design
Category	PCB Connector – Plug
Pitch (mm)	5.08
Color	Black (default)
Connection method	Push in Design
Type of locking	Without
Length (mm)	5.08*(P/2-1)+6.76
Width (mm)	12
Height (mm)	27.4
Number of positions	04P~40P
Level	Double level

#### Material information

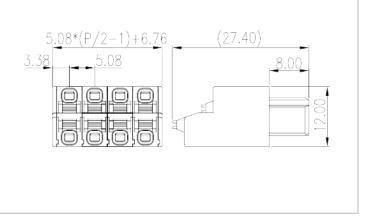
Insulation material	PA
Insulation material group	I
Flame retardant rating , compliant with UL94	V0



Insulation resistance	$\Box 500 M\Omega$ 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)	1	
Conductor cross section flexible, with min ferrule with plastic sleeve (mm²)	0.25	
Conductor cross section flexible, with max ferrule with 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)	0.5	
Philips screwdriver size	0.4x2.5	
Tightening torque with flange. max (N.m)	0.1	
Stripping Length (mm)	8~9	
Connection data-UL		
Rated voltage (UL/CUL Group B)(V)	300	
Rated current (UL/CUL Group B)(A)	8	
Rated voltage (UL/CUL Group D)(V)	300	
Rated current (UL/CUL Group D)(A)	8	

Min. solid wire connection (AWG) acc. to UL/CUL	28
Max. solid wire connection AWG acc. to UL/CUL	16
Min. stranded wire connection AWG acc. to UL/CUL	28
Max. stranded wire connection AWG acc. to UL/CUL	16
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)	28~16
Rated voltage (Group B)(V)	300
Rated current (Group B)(A)	8
Wire Range (Group D)(AWG)	28~16
Rated voltage (Group D)(V)	300
Rated current (Group D)(A)	8
CUL Recognized	
Wire Range (Group B)(AWG)	28~16
Rated voltage (Group B)(V)	300
Rated current (Group B)(A)	8
Wire Ranget (Group D)(AWG)	28~16
Rated voltage (Group D)(V)	300
Rated current (Group D)(A)	8

## Drawings



### **Approvals**





