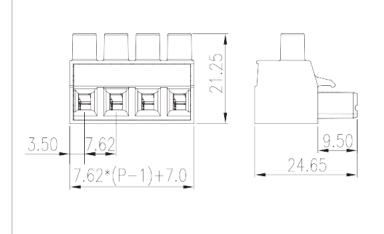


# 0183-01XX

PCB Terminal Blocks > PCB Connector-Plug

Date:2025-10-17





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: 7.62mm, M3, 600V, 25A

#### General information

Short description	PCB Connector – Plug, Screw Connection
Category	PCB Connector – Plug
Pitch (mm)	7.62
Color	Black (default)
Connection method	Screw Connection
Type of locking	Without
Length (mm)	7.62*(P-1)+7.0
Width (mm)	21.25
Height (mm)	24.65
Number of positions	02P~12P
Level	Single level

#### Material information

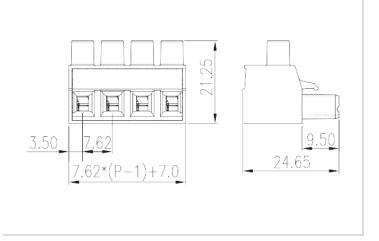
Insulation material	PA
Insulation material group	I
Flame retardant rating , compliant with UL94	V0



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)	32
Rated voltage (II/2)(V)	630
Rated voltage (III/2) (V)	500
Rated voltage (III/3)(V)	400
Rated impulse voltage (II/2)(KV)	6
Rated impulse voltage (III/2)(KV)	6
Rated impulse voltage (III/3)(KV)	6
Conductor cross section solid. min (mm²)	0.2
Conductor cross section solid.max (mm²)	6
Conductor cross section stranded. min (mm²)	0.2
Conductor cross section stranded. max (mm²)	6
Conductor cross section flexible, with min ferrule without plastic sleeve (mm²)	0.25
Conductor cross section flexible, with max ferrule without plastic sleeve (mm²)	4
Conductor cross section flexible, with min ferrule with plastic sleeve (mm²)	0.25
Conductor cross section flexible, with max ferrule with plastic sleeve (mm²)	4
Screw thread	M3
Philips screwdriver size	0.8x4
Recommend tightening torque. min (N.m)	0.5
Recommend tightening torque. max (N.m)	0.6
Stripping Length (mm)	8~9
Connection data-UL	
Rated voltage (UL/CUL Group B)(V)	600
Rated current (UL/CUL Group B)(A)	25
Rated voltage (UL/CUL Group C)(V)	600
Rated current (UL/CUL Group C)(A)	25
Rated voltage (UL/CUL Group D)(V)	600

Rated current (UL/CUL Group D)(A)	5
Min. solid wire connection (AWG) acc. to UL/CUL	20
Max. solid wire connection AWG acc. to UL/CUL	10
Min. stranded wire connection AWG acc. to UL/CUL	20
Max. stranded wire connection AWG acc. to UL/CUL	10
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)	20~10
Rated voltage (Group B)(V)	600
Rated current (Group B)(A)	25
Wire Range (Group C)(AWG)	20~10
Rated voltage (Group C)(V)	600
Rated current (Group C)(A)	25
Wire Range (Group D)(AWG)	20~10
Rated voltage (Group D)(V)	600
Rated current (Group D)(A)	5
CUL Recognized	
Wire Range (Group B)(AWG)	20~10
Rated voltage (Group B)(V)	600
Rated current (Group B)(A)	25
Wire Range (Group C)(AWG)	20~10
Rated voltage (Group C)(V)	600
Rated current (Group C)(A)	25
Wire Ranget (Group D)(AWG)	20~10
Rated voltage (Group D)(V)	600

## Drawings



### Approvals



