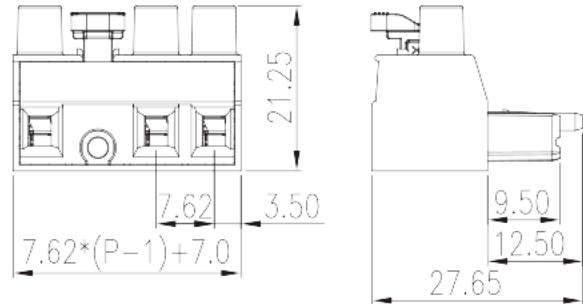


# 0183-01XXTXX

PCB Terminal Blocks &gt; PCB Connector-Plug

Date:2025-05-25



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	With lock flange
Length (mm)	$7.62*(P-1)+7.0$
Width (mm)	21.25
Height (mm)	27.65
Number of positions	03P~12P
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)	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 (mm <sup>2</sup> )	0.2
Conductor cross section solid.max (mm <sup>2</sup> )	6
Conductor cross section stranded. min (mm <sup>2</sup> )	0.2
Conductor cross section stranded. max (mm <sup>2</sup> )	6
Conductor cross section flexible, with min ferrule without plastic sleeve (mm <sup>2</sup> )	0.25
Conductor cross section flexible, with max ferrule without plastic sleeve (mm <sup>2</sup> )	4
Conductor cross section flexible, with min ferrule with plastic sleeve (mm <sup>2</sup> )	0.25
Conductor cross section flexible, with max ferrule with plastic sleeve (mm <sup>2</sup> )	4
Slotted screwdriver size (Blade thickness x Width)(mm)	0.8x4
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

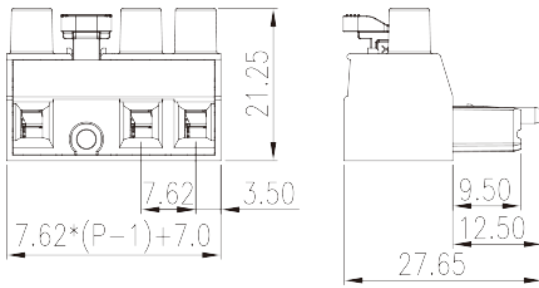
## UL Recognized

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 Range (Group D)(AWG)	20~10
Rated voltage (Group D)(V)	600
Rated current (Group D)(A)	5

## Drawings



## Approvals

