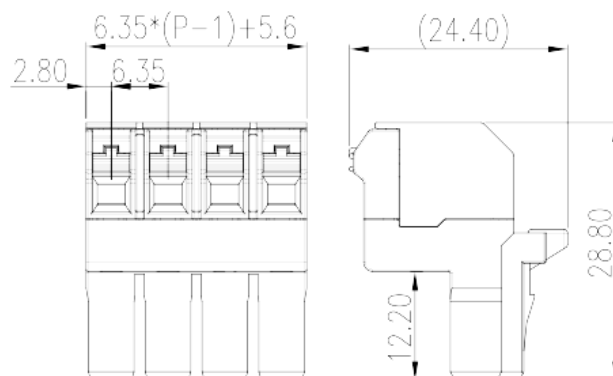
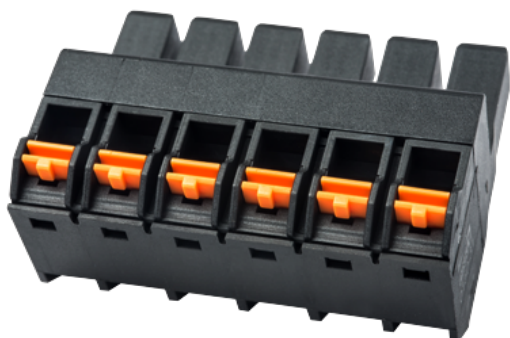


# 0150-31XX

PCB Terminal Blocks > PCB Connector-Plug

Date:2025-12-20



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 : 6.35 mm, 600V, 20A

## General information

Short description	PCB Connector-Plug, Push-in Design
Category	PCB Connector-Plug
Pitch (mm)	6.35
Color	Black (default)
Connection method	Push in Design
Type of locking	With lock flange
Length (mm)	$6.35*(P-1)+5.6$
Width (mm)	24.4
Height (mm)	28.8
Number of positions	02P~12P
Level	Single level

## Material information

Insulation material	PBT
Insulation material group	IIIa
Flame retardant rating , compliant with UL94	V0

Insulation resistance	□1000MΩ at DC 500V
Conductor material	COPPER ALLOY
Plating of conductor surface	Tin PLATED

## Connection data-IEC

Rated voltage (V)	1000
Rated current (A)	20
Rated voltage (II/2)(V)	1000
Rated voltage (III/2) (V)	1000
Rated voltage (III/3)(V)	800
Rated impulse voltage (II/2)(KV)	8
Rated impulse voltage (III/2)(KV)	8
Rated impulse voltage (III/3)(KV)	8
Conductor cross section solid. min (mm <sup>2</sup> )	0.2
Conductor cross section solid.max (mm <sup>2</sup> )	2.5
Conductor cross section stranded. min (mm <sup>2</sup> )	0.2
Conductor cross section stranded. max (mm <sup>2</sup> )	2.5
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> )	1.5
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> )	1.5
Stripping Length (mm)	11~12

## Connection data-UL

Rated voltage (UL/CUL Group B)(V)	600
Rated current (UL/CUL Group B)(A)	20
Rated voltage (UL/CUL Group C)(V)	600
Rated current (UL/CUL Group C)(A)	20
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	24
Max. solid wire connection AWG acc. to UL/CUL	12
Min. stranded wire connection AWG acc. to UL/CUL	24

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

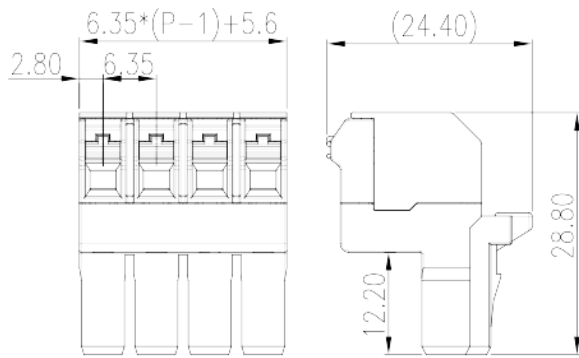
## UL Recognized

Wire Range (Group B)(AWG)	24~12
Rated voltage (Group B)(V)	600
Rated current (Group B)(A)	20
Wire Range (Group C)(AWG)	24~12
Rated voltage (Group C)(V)	600
Rated current (Group C)(A)	20
Wire Range (Group D)(AWG)	24~12
Rated voltage (Group D)(V)	600
Rated current (Group D)(A)	5

## CUL Recognized

Wire Range (Group B)(AWG)	24~12
Rated voltage (Group B)(V)	600
Rated current (Group B)(A)	20
Wire Range (Group C)(AWG)	24~12
Rated voltage (Group C)(V)	600
Rated current (Group C)(A)	20
Wire Range (Group D)(AWG)	24~12
Rated voltage (Group D)(V)	600
Rated current (Group D)(A)	5

## Drawings



## Approvals

