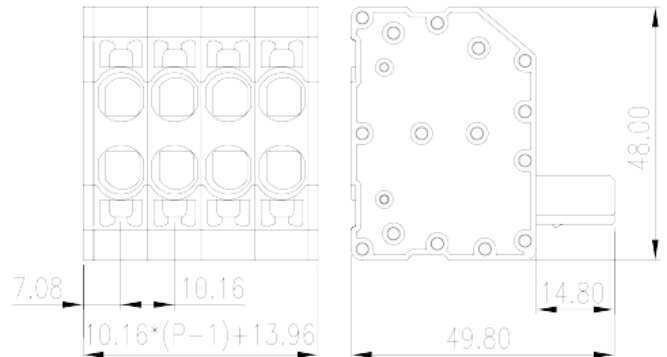


# 0187-A4XX

PCB Terminal Blocks &gt; PCB Connector-Plug

Date:2025-09-09



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 : 10.16 mm, 600V, 51A

## General information

Short description	PCB Connector – Plug, Push-in Design
Category	PCB Connector – Plug
Pitch (mm)	10.16
Color	Black (default)
Connection method	Push-in Design
Type of locking	Without
Length (mm)	$10.16 \times (P-1) + 13.96$
Width (mm)	48
Height (mm)	49.8
Number of positions	02P~10P

## Material information

Insulation material	PA
Insulation material group	I
Flame retardant rating , compliant with UL94	V0
Insulation resistance	$\geq 500M\Omega$ at DC 500V

Conductor material	COPPER ALLOY
Plating of conductor surface	Ag PLATED

## Connection data-IEC

Rated voltage (V)	1000
Rated current (A)	76
Rated voltage (II/2)(V)	1000
Rated voltage (III/2) (V)	1000
Rated voltage (III/3)(V)	1000
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> )	0.75
Conductor cross section solid.max (mm <sup>2</sup> )	16
Conductor cross section stranded. min (mm <sup>2</sup> )	0.75
Conductor cross section stranded. max (mm <sup>2</sup> )	16
Conductor cross section flexible, with min ferrule without plastic sleeve (mm <sup>2</sup> )	0.75
Conductor cross section flexible, with max ferrule without plastic sleeve (mm <sup>2</sup> )	16
Conductor cross section flexible, with min ferrule with plastic sleeve (mm <sup>2</sup> )	0.75
Conductor cross section flexible, with max ferrule with plastic sleeve (mm <sup>2</sup> )	10
Slotted screwdriver size (Blade thickness x Width)(mm)	0.8x4
Stripping Length (mm)	18~20

## Connection data-UL

Rated voltage (UL/CUL Group B)(V)	600
Rated current (UL/CUL Group B)(A)	51
Rated voltage (UL/CUL Group C)(V)	600
Rated current (UL/CUL Group C)(A)	51
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	4
Min. stranded wire connection AWG acc. to UL/CUL	20

Max. stranded wire connection AWG acc. to UL/CUL

4

## Environment & Safety

Finger protection (YES or NO)	YES
Operating temperature. max (°C)	120
Operating temperature. min (°C)	-40

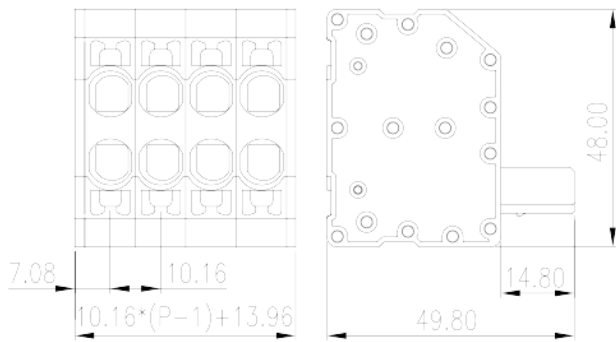
## UL Recognized

Wire Range (Group B)(AWG)	20~4
Rated voltage (Group B)(V)	600
Rated current (Group B)(A)	51
Wire Range (Group C)(AWG)	20~4
Rated voltage (Group C)(V)	600
Rated current (Group C)(A)	51
Wire Range (Group D)(AWG)	20~4
Rated voltage (Group D)(V)	600
Rated current (Group D)(A)	5

## CUL Recognized

Wire Range (Group B)(AWG)	20~4
Rated voltage (Group B)(V)	600
Rated current (Group B)(A)	51
Wire Range (Group C)(AWG)	20~4
Rated voltage (Group C)(V)	600
Rated current (Group C)(A)	51
Wire Range (Group D)(AWG)	20~4
Rated voltage (Group D)(V)	600
Rated current (Group D)(A)	5

## Drawings



## Approvals

