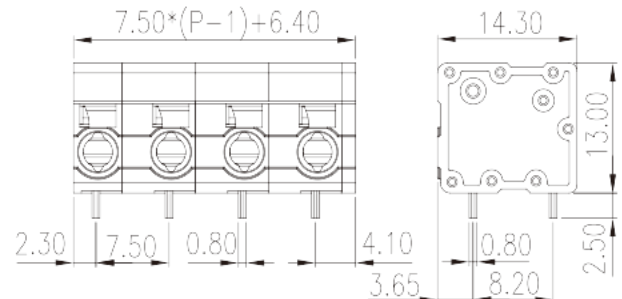


# 0177-51XXP3

PCB Terminal Blocks &gt; PCB Terminal Blocks

Date:2025-09-10



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 : 7.50 mm, 300V, 20A

## General information

Short description	PCB Terminal Blocks, Push-in Design
Category	PCB Terminal Blocks
Pitch (mm)	7.50
Color	Black (default)
Connection method	Push in design
Type of locking	Without
Soldering method	Wave Soldering
Length (mm)	$7.50 \times (P-1) + 6.4$
Width (mm)	14.3
Height (mm)	13
Pin dimensions (Thickness x Width)(mm)	0.8x0.8
PCB hole diameter (mm)	1.4
Number of positions	02P~12P
Level	Single level
Connection points	1

## 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)	24
Rated voltage (II/2)(V)	1000
Rated voltage (III/2) (V)	630
Rated voltage (III/3)(V)	500
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> )	4
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> )	0.2
Conductor cross section flexible, with max ferrule without plastic sleeve (mm <sup>2</sup> )	2.5
Conductor cross section flexible, with min ferrule with plastic sleeve (mm <sup>2</sup> )	0.2
Conductor cross section flexible, with max ferrule with plastic sleeve (mm <sup>2</sup> )	1.5
Slotted screwdriver size (Blade thickness x Width)(mm)	0.5x3
Stripping Length (mm)	9~10

## Connection data-UL

Rated voltage (UL/CUL Group B)(V)	300
Rated current (UL/CUL Group B)(A)	20
Rated voltage (UL/CUL Group C)(V)	150

Rated current (UL/CUL Group C)(A)	20
Rated voltage (UL/CUL Group D)(V)	300
Rated current (UL/CUL Group D)(A)	10
Min. solid wire connection (AWG) acc. to UL/CUL	26
Max. solid wire connection AWG acc. to UL/CUL	12
Min. stranded wire connection AWG acc. to UL/CUL	26
Max. stranded wire connection AWG acc. to UL/CUL	12

## Environment & Safety

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

## UL Recognized

Wire Range (Group B)(AWG)	26~12
Rated voltage (Group B)(V)	300
Rated current (Group B)(A)	20
Wire Range (Group C)(AWG)	26~12
Rated voltage (Group C)(V)	150
Rated current (Group C)(A)	20
Wire Range (Group D)(AWG)	26~12
Rated voltage (Group D)(V)	300
Rated current (Group D)(A)	10

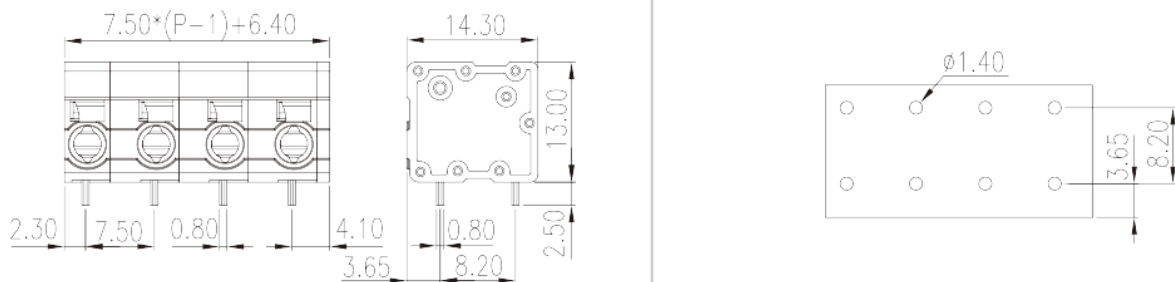
## CUL Recognized

Wire Range (Group B)(AWG)	26~12
Rated voltage (Group B)(V)	300
Rated current (Group B)(A)	20
Wire Range (Group C)(AWG)	26~12
Rated voltage (Group C)(V)	150
Rated current (Group C)(A)	20
Wire Range (Group D)(AWG)	26~12
Rated voltage (Group D)(V)	300
Rated current (Group D)(A)	10

## VDE Approval

Wire Range (mm <sup>2</sup> )	0.2~0.5
Rated voltage (V)	630
Rated current (A)	24

## Drawings



## Approvals

