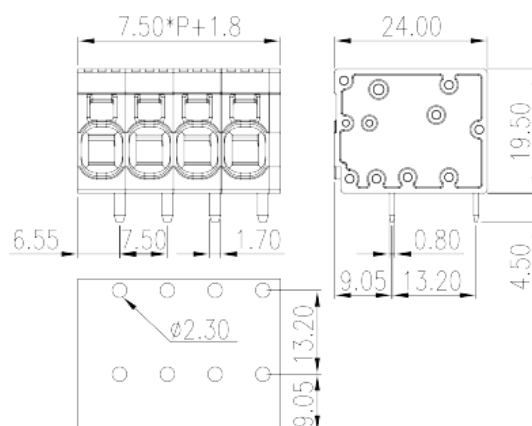


# 0177-81XX

PCB Terminal Blocks > PCB Terminal Blocks

Date:2025-05-05



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 :7.50mm, 300V, 36A

## General information

Short description	PCB Terminal Blocks, Push-in Design
Category	PCB Terminal Blocks
Pitch (mm)	7.5
Color	Black (default)
Connection method	Push-in Design
Type of locking	Without
Soldering method	Wave Soldering
Length (mm)	7.50*P+1.80
Width (mm)	24
Height (mm)	19.5
Pin dimensions (Thickness x Width)(mm)	0.8x1.7
PCB hole diameter (mm)	2.3
Number of positions	02P~16P
Level	Single level
Connection points	2~16

## 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)	41
Rated voltage (II/2)(V)	1000
Rated voltage (III/2) (V)	630
Rated voltage (III/3)(V)	630
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> )	10
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> )	6
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
2 conductors with same cross section flexible, min twin ferrules with plastic sleeve (mm <sup>2</sup> )	0.25
2 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm <sup>2</sup> )	1.5
Slotted screwdriver size (Blade thickness x Width)(mm)	0.6x3.5
Stripping Length (mm)	15

## Connection data-UL

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Rated voltage (UL/CUL Group B)(V)	300
Rated voltage (UL/CUL Group C)(V)	150
Rated current (UL/CUL Group C)(A)	36
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	8
Min. stranded wire connection AWG acc. to UL/CUL	24
Max. stranded wire connection AWG acc. to UL/CUL	8

## Environment & Safety

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

## UL Recognized

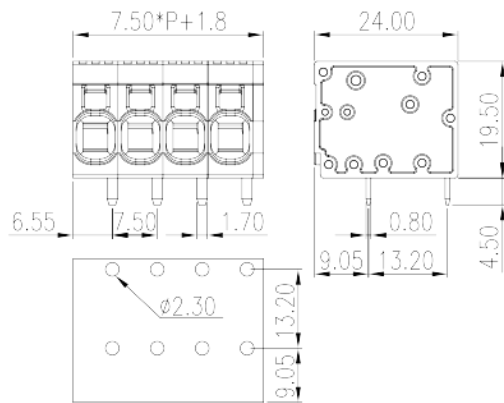
Wire Range (Group B)(AWG)	24~8
Rated voltage (Group B)(V)	300
Rated current (Group B)(A)	36
Wire Range (Group C)(AWG)	24~8
Rated voltage (Group C)(V)	150
Rated current (Group C)(A)	36
Wire Range (Group D)(AWG)	24~8
Rated voltage (Group D)(V)	600
Rated current (Group D)(A)	5

## CUL Recognized

Wire Range (Group B)(AWG)	24~8
Rated voltage (Group B)(V)	300
Rated current (Group B)(A)	36
Wire Range (Group C)(AWG)	24~8
Rated voltage (Group C)(V)	150
Rated current (Group C)(A)	36
Wire Range (Group D)(AWG)	24~8

Rated voltage (Group D)(V)	600
Rated current (Group D)(A)	5

## Drawings



## Approvals

