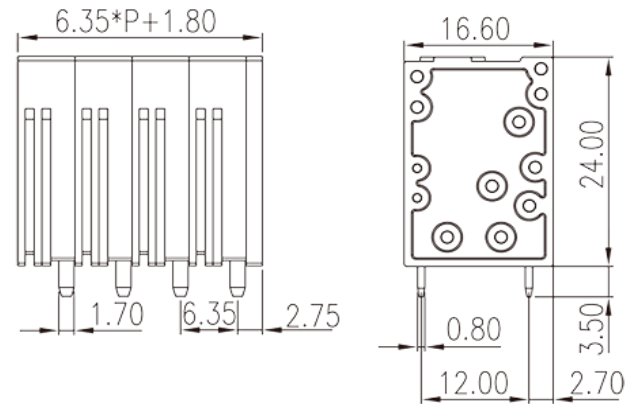


# 0177-78XX

PCB Terminal Blocks &gt; PCB Terminal Blocks

Date:2025-09-10Version:V1



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 : 6.35mm, 600V, 25A

## General information

Short description	PCB Terminal Blocks, Push-in Design
Category	PCB Terminal Blocks
Pitch (mm)	6.35
Color	Black (default)
Connection method	Push in design
Type of locking	Without
Soldering method	Wave soldering
Length (mm)	$6.35 \times (P-1) + 8.15$
Width (mm)	16.6
Height (mm)	24
Pin dimensions (Thickness x Width)(mm)	0.8x1.7
PCB hole diameter (mm)	1.2x2.7
Number of positions	02P~16P
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)	1000
Rated current (A)	32
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 (mm²)	0.2
Conductor cross section solid.max (mm²)	4
Conductor cross section stranded. min (mm²)	0.2
Conductor cross section stranded. max (mm²)	4
Conductor cross section flexible, with min ferrule without plastic sleeve (mm²)	0.25
Conductor cross section flexible, with max ferrule without plastic sleeve (mm²)	4
Conductor cross section flexible, with min ferrule with plastic sleeve (mm²)	0.25
Conductor cross section flexible, with max ferrule with plastic sleeve (mm²)	4
2 conductors with same cross section flexible, min twin ferrules with plastic sleeve (mm²)	0.5
2 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)	1
Slotted screwdriver size (Blade thickness x Width)(mm)	0.6x3.5
Stripping Length (mm)	13

## 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	24
Max. solid wire connection AWG acc. to UL/CUL	10
Min. stranded wire connection AWG acc. to UL/CUL	24
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)	24~10
Rated voltage (Group B)(V)	600
Rated current (Group B)(A)	25
Wire Range (Group C)(AWG)	24~10
Rated voltage (Group C)(V)	600
Rated current (Group C)(A)	25
Wire Range (Group D)(AWG)	24~10
Rated voltage (Group D)(V)	600
Rated current (Group D)(A)	5

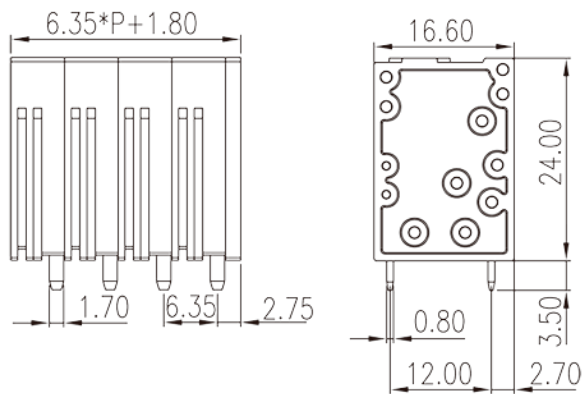
## CUL Recognized

Wire Range (Group B)(AWG)	24~10
Rated voltage (Group B)(V)	600
Rated current (Group B)(A)	25
Wire Range (Group C)(AWG)	24~10
Rated voltage (Group C)(V)	600
Rated current (Group C)(A)	25
Wire Range (Group D)(AWG)	24~10
Rated voltage (Group D)(V)	600
Rated current (Group D)(A)	5

## VDE Approval

Wire Range (mm <sup>2</sup> )	0.2~4
Rated voltage (V)	1000
Rated current (A)	32

## Drawings



## Approvals

