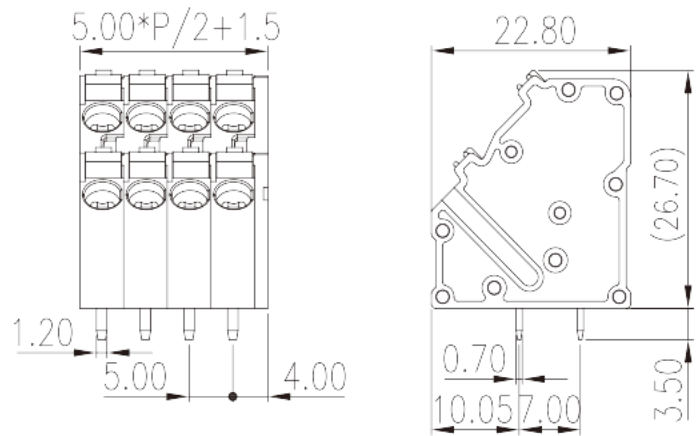


# 0153-02XX

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 : 5.00mm, 300V, 20A

## General information

Short description	PCB Terminal Blocks, Push-in Design
Category	PCB Terminal Blocks
Pitch (mm)	5.00
Color	Black (default)
Connection method	Push in Design
Type of locking	Without
Soldering method	Wave soldering
Length (mm)	$5.00 \times (P/2) + 1.5$
Width (mm)	22.8
Height (mm)	26.7
Pin dimensions (Thickness x Width)(mm)	0.7x1.2
PCB hole diameter (mm)	1.0x1.8
Number of positions	04P~48P
Level	Double 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)	320
Rated current (A)	24
Rated voltage (II/2)(V)	630
Rated voltage (III/2) (V)	320
Rated voltage (III/3)(V)	320
Rated impulse voltage (II/2)(KV)	4
Rated impulse voltage (III/2)(KV)	4
Rated impulse voltage (III/3)(KV)	4
Conductor cross section solid. min (mm²)	0.2
Conductor cross section solid.max (mm²)	2.5
Conductor cross section stranded. min (mm²)	0.2
Conductor cross section stranded. max (mm²)	2.5
Conductor cross section flexible, with min ferrule without plastic sleeve (mm²)	0.25
Conductor cross section flexible, with max ferrule without plastic sleeve (mm²)	2.5
Conductor cross section flexible, with min ferrule with plastic sleeve (mm²)	0.25
Conductor cross section flexible, with max ferrule with plastic sleeve (mm²)	2.5
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)	1.5
Slotted screwdriver size (Blade thickness x Width)(mm)	0.6x3.5
Stripping Length (mm)	12~14

## Connection data-UL

Rated voltage (UL/CUL Group B)(V)	300
Rated current (UL/CUL Group B)(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	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)	300
Rated current (Group B)(A)	20
Wire Range (Group D)(AWG)	24~12
Rated voltage (Group D)(V)	300
Rated current (Group D)(A)	10

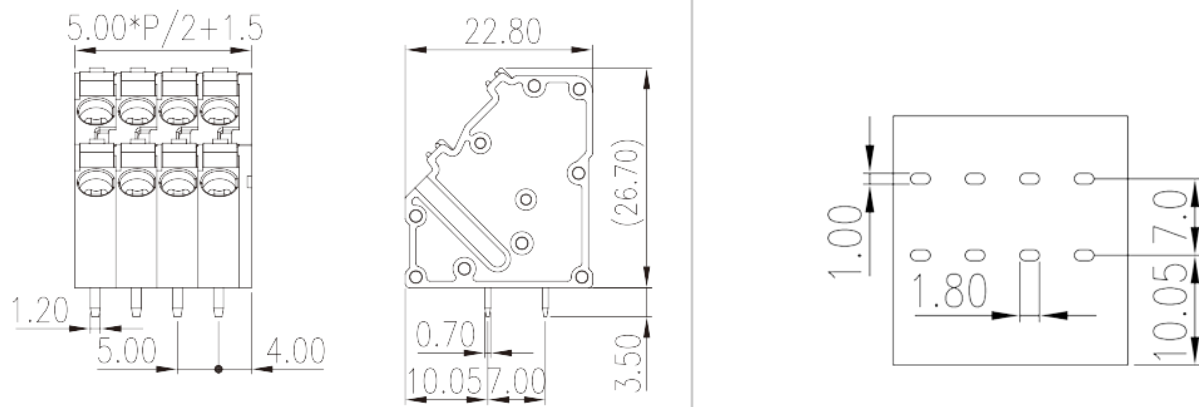
## CUL Recognized

Wire Range (Group B)(AWG)	24~12
Rated voltage (Group B)(V)	300
Rated current (Group B)(A)	20
Wire Range (Group D)(AWG)	24~12
Rated voltage (Group D)(V)	300
Rated current (Group D)(A)	10

## VDE Approval

Wire Range (mm <sup>2</sup> )	0.2~2.5
Rated voltage (V)	320
Rated current (A)	24

## Drawings



## Approvals

