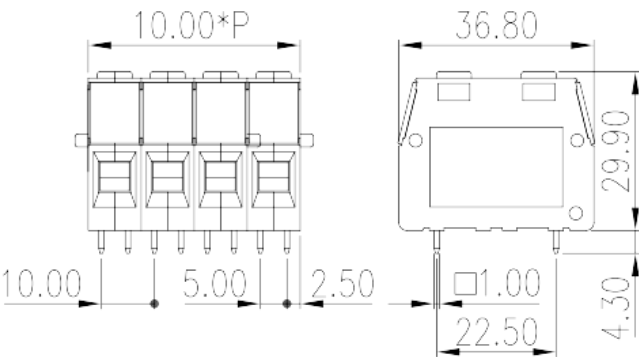


# PDS-10SA-XX

PCB Terminal Blocks > PCB Terminal Blocks

Date:2024-05-05Version: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 : 10.00mm, 300V

## General information

Short description	PCB Terminal Blocks, Screw Connection
Category	PCB Terminal Blocks
Pitch (mm)	10
Color	Green-Yellow (default)
Connection method	Screw Connection
Type of locking	Without
Length (mm)	5.00*(2P-1)+5.00
Width (mm)	36.8
Height (mm)	29.9
Pin demensions (Thickness x Width)(mm)	1.0x1.0
PCB hole diameter (mm)	1.4~1.5
Number of positions	02P~12P
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)	630
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)	0.5
Conductor cross section solid.max (mm²)	10
Conductor cross section stranded. min (mm²)	0.5
Conductor cross section stranded. max (mm²)	10
Conductor cross section flexible, with min ferrule without plastic sleeve (mm²)	0.25
Conductor cross section flexible, with max ferrule without plastic sleeve (mm²)	10
Conductor cross section flexible, with min ferrule with plastic sleeve (mm²)	0.25
Conductor cross section flexible, with max ferrule with plastic sleeve (mm²)	10
2 conductors with same cross section, solid, max (mm²)	4
2 conductors with same cross section, stranded, max (mm²)	4
Screw thread	M4
Rated torque (N.m)	1.2~1.5
Stripping Length (mm)	12~13

## Connection data-UL

Rated voltage (UL/CUL Group B)(V)	300
Rated voltage (UL/CUL Group D)(V)	300
Min. solid wire connection (AWG) acc. to UL/CUL	24

Max. solid wire connection AWG acc. to UL/CUL	6
Min. stranded wire connection AWG acc. to UL/CUL	24
Max. stranded wire connection AWG acc. to UL/CUL	6

## Environment & Safety

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

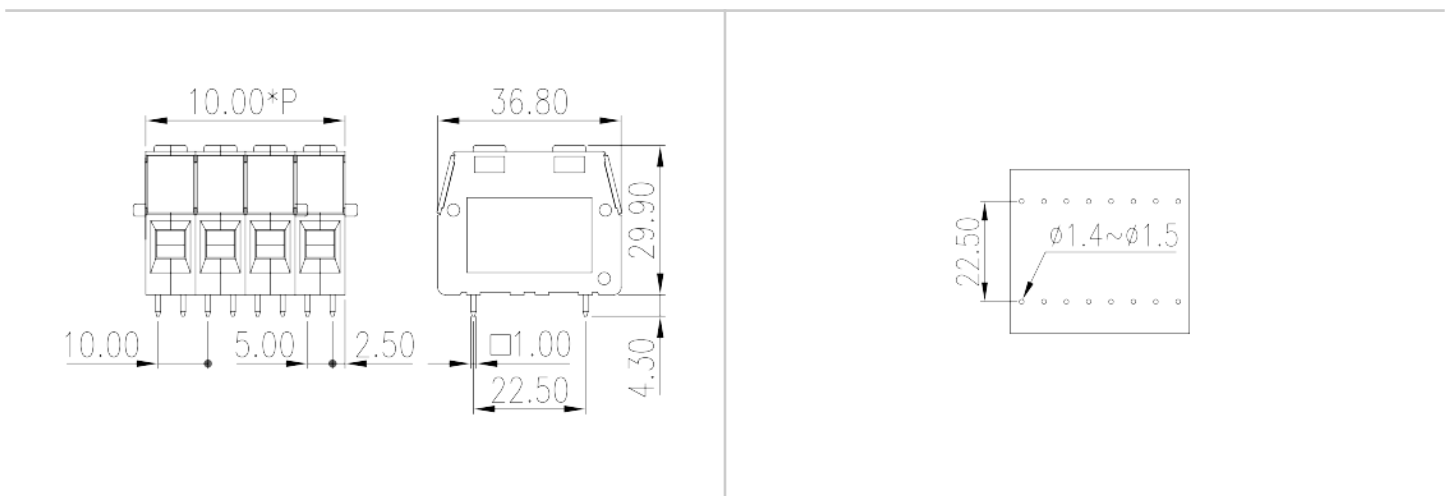
## UL Recognized

Wire Range (Group B)(AWG)	24~6
Rated voltage (Group B)(V)	300
Wire Range (Group D)(AWG)	24~6
Rated voltage (Group D)(V)	300

## CUL Recognized

Wire Range (Group B)(AWG)	24~6
Rated voltage (Group B)(V)	300
Wire Ranget (Group D)(AWG)	24~6
Rated voltage (Group D)(V)	300

## Drawings



## Approvals

