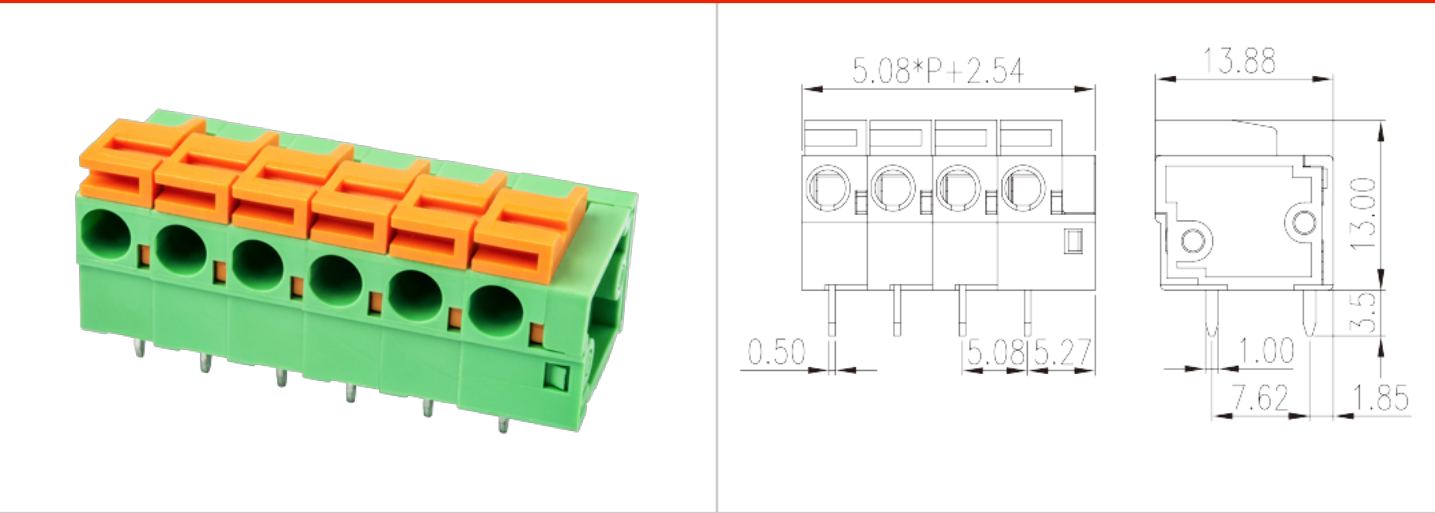


# 142R-XXP

PCB Terminal Blocks > PCB Terminal Blocks

Date:2025-08-17Version: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 : 5.08mm, 300V, 10A

## General information

Short description	PCB Terminal Blocks, Push-in Design
Category	PCB Terminal Blocks
Pitch (mm)	5.08
Color	Green (default)
Connection method	Push in design
Type of locking	Without
Soldering method	Wave soldering
Length (mm)	$5.08*(P-1)+7.62$
Width (mm)	13.88
Height (mm)	13
Pin dimensions (Thickness x Width)(mm)	0.5x1.0
PCB hole diameter (mm)	1.3
Number of positions	01P~24P
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)	450
Rated current (A)	17.5
Rated voltage (II/2)(V)	630
Rated voltage (III/2) (V)	450
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)	1.5
Conductor cross section stranded. min (mm²)	0.5
Conductor cross section stranded. max (mm²)	1.5
Conductor cross section flexible, with min ferrule without plastic sleeve (mm²)	0.5
Conductor cross section flexible, with max ferrule without plastic sleeve (mm²)	1
Conductor cross section flexible, with min ferrule with plastic sleeve (mm²)	0.5
Conductor cross section flexible, with max ferrule with plastic sleeve (mm²)	1
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)	0.75
Slotted screwdriver size (Blade thickness x Width)(mm)	0.8x4.0
Stripping Length (mm)	9~10

## Connection data-UL

Rated voltage (UL/CUL Group B)(V)	300
Rated current (UL/CUL Group B)(A)	10

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	22
Max. solid wire connection AWG acc. to UL/CUL	14
Min. stranded wire connection AWG acc. to UL/CUL	22
Max. stranded wire connection AWG acc. to UL/CUL	14

## 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)	22~14
Rated voltage (Group B)(V)	300
Rated current (Group B)(A)	10
Wire Range (Group D)(AWG)	22~14
Rated voltage (Group D)(V)	300
Rated current (Group D)(A)	10

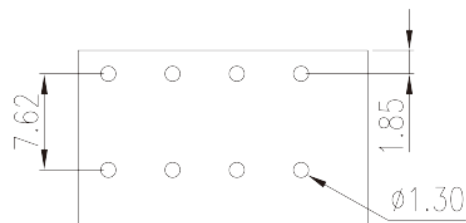
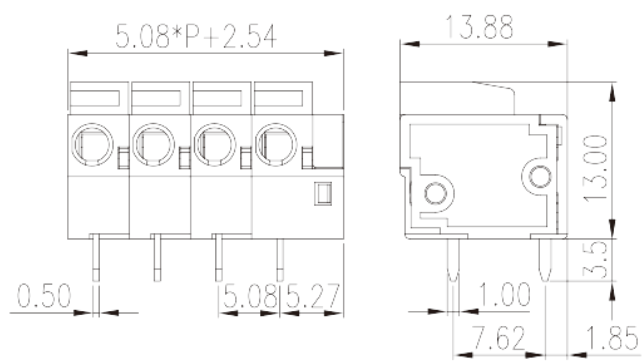
## CUL Recognized

Wire Range (Group B)(AWG)	22~14
Rated voltage (Group B)(V)	300
Rated current (Group B)(A)	10
Wire Range (Group D)(AWG)	22~14
Rated voltage (Group D)(V)	300
Rated current (Group D)(A)	10

## VDE Approval

Wire Range (mm <sup>2</sup> )	0.5~1.5
Rated voltage (V)	450
Rated current (A)	17.5

## Drawings



## Approvals

