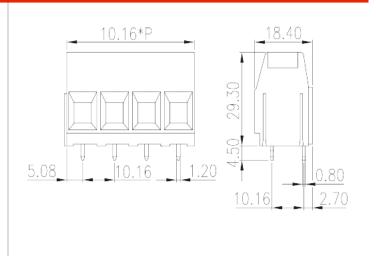


# ESK116V-XXP

PCB Terminal Blocks > PCB Terminal Blocks

Date:2025-12-03Version:1.1





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: 10.16mm, 300/600V, 65/5A

#### General information

Short description	PCB Terminal Blocks, Screw Connection
Category	PCB Terminal Blocks
Pitch (mm)	10.16
Color	Green (default)
Connection method	Screw Connection
Type of locking	Without
Length (mm)	10.16*(P-1)+10.16
Width (mm)	18.4
Height (mm)	29.3
Pin demensions (Thickness x Width)(mm)	0.8x1.2
PCB hole diameter (mm)	1.6
Number of positions	02P~16P
Level	Single level

#### Material information

Insulation material	PA
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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)	76
Rated voltage (II/2)(V)	1000
Rated voltage (III/2) (V)	1000
Rated voltage (III/3)(V)	800
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)	0.5
Conductor cross section solid.max (mm²)	16
Conductor cross section stranded. min (mm²)	0.5
Conductor cross section stranded. max (mm²)	16
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, min (mm²)	0.5
2 conductors with same cross section, solid, max (mm²)	4
2 conductors with same cross section, stranded, min (mm²)	0.5
2 conductors with same cross section, stranded, max (mm²)	4
Screw thread	M4
Slotted screwdriver size (Blade thickness x Width)(mm)	0.8x4.0
Recommend tightening torque. min (N.m)	1.2
Recommend tightening torque. max (N.m)	1.5

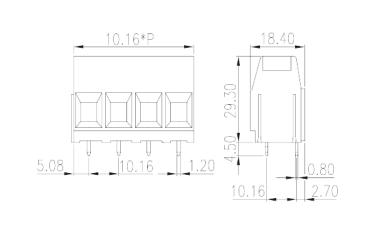
Stripping Length (mm)	10~11	
Connection data-UL		
Rated voltage (UL/CUL Group B)(V)	300	
Rated current (UL/CUL Group B)(A)	65	
Rated voltage (UL/CUL Group C)(V)	300	
Rated current (UL/CUL Group C)(A)	65	
Rated voltage (UL/CUL Group D)(V)	600	
Rated current (UL/CUL Group D)(A)	5	
Min. solid wire connection (AWG) acc. to UL/CUL	6	
Max. solid wire connection AWG acc. to UL/CUL	20	
Min. stranded wire connection AWG acc. to UL/CUL	6	
Max. stranded wire connection AWG acc. to UL/CUL	20	
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)	20~6	
Rated voltage (Group B)(V)	300	
Rated current (Group B)(A)	65	
Wire Range (Group C)(AWG)	20~6	
Rated voltage (Group C)(V)	300	
Rated current (Group C)(A)	65	
Wire Range (Group D)(AWG)	20~6	
Rated voltage (Group D)(V)	600	
Rated current (Group D)(A)	5	
CUL Recognized		
Wire Range (Group B)(AWG)	20~6	
Rated voltage (Group B)(V)	300	
Rated current (Group B)(A)	65	
Wire Range (Group C)(AWG)	20~6	

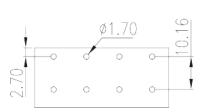
Rated voltage (Group C)(V)	300
Rated current (Group C)(A)	65
Wire Ranget (Group D)(AWG)	20~6
Rated voltage (Group D)(V)	600
Rated current (Group D)(A)	5

### **VDE** Approval

Wire Range (mm²)	0.5~16
Rated voltage (V)	1000
Rated current (A)	76

# Drawings





# Approvals







