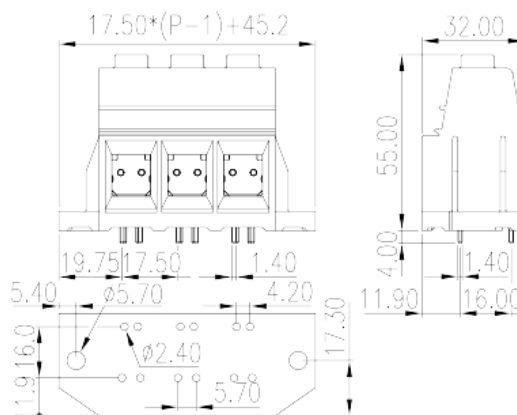
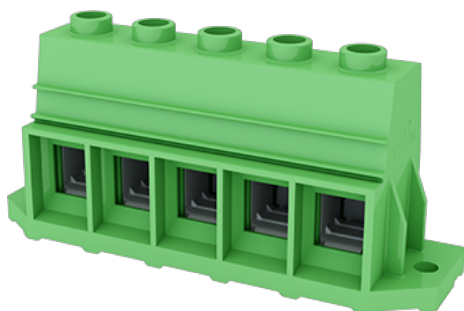


# ESK175VM-XXP

PCB Terminal Blocks > PCB Terminal Blocks

Date:2026-06-19



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 :17.50mm, M6, 600V, 160A

## General information

Short description	PCB Terminal Blocks , Screw Connection
Category	PCB Terminal Blocks
Pitch (mm)	17.5
Color	Green (default)
Connection method	Screw Connection
Type of locking	Without
Soldering method	Wave Soldering
Length (mm)	$7.50 \times P$ $17.50 \times (P-1) + 45.2$
Width (mm)	32
Height (mm)	55
Pin dimensions (Thickness x Width)(mm)	1.4x1.4
PCB hole diameter (mm)	2.4
Number of positions	02P~11P
Level	Single level
Connection points	2~11

## 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)	192
Rated voltage (II/2)(V)	1000
Rated voltage (III/2) (V)	1000
Rated voltage (III/3)(V)	1000
Rated impulse voltage (II/2)(KV)	6
Rated impulse voltage (III/2)(KV)	8
Rated impulse voltage (III/3)(KV)	8
Conductor cross section solid. min (mm <sup>2</sup> )	1.5
Conductor cross section solid.max (mm <sup>2</sup> )	70
Conductor cross section stranded. min (mm <sup>2</sup> )	1.5
Conductor cross section stranded. max (mm <sup>2</sup> )	70
Conductor cross section flexible, with min ferrule without plastic sleeve (mm <sup>2</sup> )	1.5
Conductor cross section flexible, with max ferrule without plastic sleeve (mm <sup>2</sup> )	50
Conductor cross section flexible, with min ferrule with plastic sleeve (mm <sup>2</sup> )	1.5
Conductor cross section flexible, with max ferrule with plastic sleeve (mm <sup>2</sup> )	50
2 conductors with same cross section, solid, min (mm <sup>2</sup> )	1.5
2 conductors with same cross section, solid, max (mm <sup>2</sup> )	16
2 conductors with same cross section, stranded, min (mm <sup>2</sup> )	1.5
2 conductors with same cross section, stranded, max (mm <sup>2</sup> )	25
2 conductors with same cross section flexible, with min ferrule without plastic sleeve (mm <sup>2</sup> )	21.5
2 conductors with same cross section flexible, with max ferrule without plastic sleeve (mm <sup>2</sup> )	16

2 conductors with same cross section flexible, min twin ferrules with plastic sleeve (mm <sup>2</sup> )	1.5
2 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm <sup>2</sup> )	16
Screw thread	M6
Recommend tightening torque. min (N.m)	5
Recommend tightening torque. max (N.m)	6
Stripping Length (mm)	19~21

## Connection data-UL

Rated voltage (UL/CUL Group B)(V)	600
Rated current (UL/CUL Group B)(A)	160
Rated voltage (UL/CUL Group C)(V)	600
Rated current (UL/CUL Group C)(A)	160
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	16
Max. solid wire connection AWG acc. to UL/CUL	2/0
Min. stranded wire connection AWG acc. to UL/CUL	16
Max. stranded wire connection AWG acc. to UL/CUL	2/0

## Environment & Safety

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

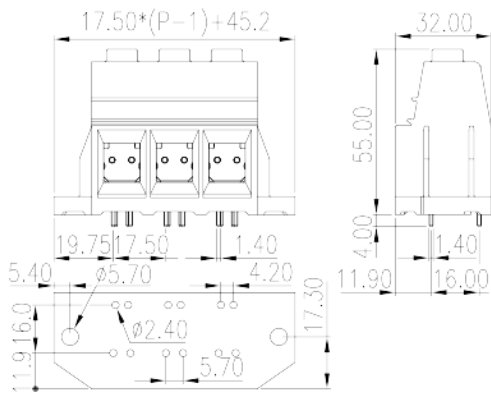
## UL Recognized

Wire Range (Group B)(AWG)	16~2/0
Rated voltage (Group B)(V)	600
Rated current (Group B)(A)	160
Wire Range (Group C)(AWG)	16~2/0
Rated voltage (Group C)(V)	600
Rated current (Group C)(A)	160
Wire Range (Group D)(AWG)	16~2/0
Rated voltage (Group D)(V)	600
Rated current (Group D)(A)	5

## CUL Recognized

Wire Range (Group B)(AWG)	16~2/0
Rated voltage (Group B)(V)	600
Rated current (Group B)(A)	160
Wire Range (Group C)(AWG)	16~2/0
Rated voltage (Group C)(V)	600
Rated current (Group C)(A)	160
Wire Range (Group D)(AWG)	16~2/0
Rated voltage (Group D)(V)	600
Rated current (Group D)(A)	5

## Drawings



## Approvals

