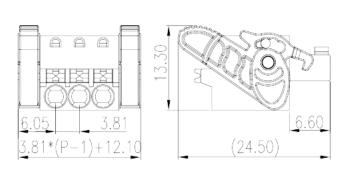


# ESC381VK-XXP

PCB Terminal Blocks > PCB Connector-Plug

Date:2025-11-05





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: 3.81 mm, 300V, 8A

#### General information

Short description	PCB Connector – Plug, Spring connection
Category	PCB Connector – Plug
Pitch (mm)	3.81
Color	Green (default)
Connection method	Spring connection
Type of locking	Release tool
Length (mm)	3.81*(P-1)+12.1
Width (mm)	13.3
Height (mm)	24.5
Number of positions	02~20P
Level	Single level

#### Material information

Insulation material	PA
Insulation material group	I
Flame retardant rating , compliant with UL94	V0



Insulation resistance	$\Box 500 M\Omega$ at DC $500 V$
Conductor material	COPPER ALLOY
Plating of conductor surface	Tin PLATED
Connection data-IEC	
Rated voltage (V)	500
Rated current (A)	8
Rated voltage (II/2)(V)	500
Rated voltage (III/2) (V)	250
Rated voltage (III/3)(V)	250
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)	1.5
Conductor cross section stranded. min (mm²)	0.2
Conductor cross section stranded. max (mm²)	1.5
Conductor cross section flexible, with min ferrule without plastic sleeve (mm²)	0.25
Conductor cross section flexible, with max ferrule without plastic sleeve (mm²)	1.5
Conductor cross section flexible, with min ferrule with plastic sleeve (mm²)	0.25
Conductor cross section flexible, with max ferrule with plastic sleeve (mm²)	0.5
Stripping Length (mm)	9~10
Connection data-UL	
Rated voltage (UL/CUL Group B)(V)	300
Rated current (UL/CUL Group B)(A)	8
Rated voltage (UL/CUL Group D)(V)	300
Rated current (UL/CUL Group D)(A)	8
Min. solid wire connection (AWG) acc. to UL/CUL	28
Max. solid wire connection AWG acc. to UL/CUL	16
Min. stranded wire connection AWG acc. to UL/CUL	28
Max. stranded wire connection AWG acc. to UL/CUL	16



### **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)	28~16
Rated voltage (Group B)(V)	300
Rated current (Group B)(A)	8
Wire Range (Group D)(AWG)	28~16
Rated voltage (Group D)(V)	300
Rated current (Group D)(A)	8

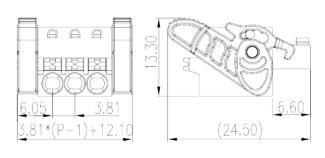
## **CUL** Recognized

Wire Range (Group B)(AWG)	28~16
Rated voltage (Group B)(V)	300
Rated current (Group B)(A)	8
Wire Ranget (Group D)(AWG)	28~16
Rated voltage (Group D)(V)	300
Rated current (Group D)(A)	8

## **VDE** Approval

Wire Range (mm²)	0.2~1.5
Rated voltage (V)	500
Rated current (A)	10

# Drawings



# Approvals







