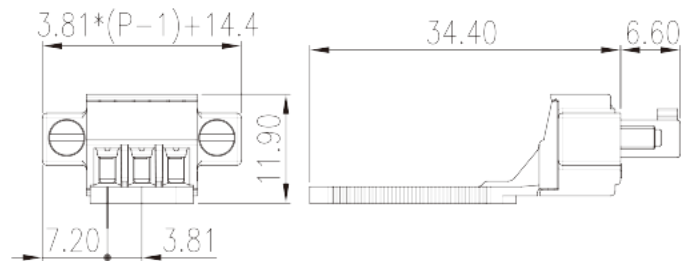


# EC381LM-XXP

PCB Terminal Blocks &gt; PCB Connector-Plug

Date:2025-08-03



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 : 3.81mm, M2, 300V, 8A

## General information

Short description	PCB Connector – Plug, Screw Connection
Category	PCB Terminal Blocks
Pitch (mm)	3.81
Color	Green (default)
Connection method	Screw Connection
Type of locking	Without
Length (mm)	$3.81 \times (P-1) + 14.4$
Width (mm)	34.4
Height (mm)	11.9
Number of poles	02~09
Number of positions	02~09

## 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)	320
Rated current (A)	14
Rated voltage (II/2)(V)	320
Rated voltage (III/2) (V)	160
Rated voltage (III/3)(V)	160
Rated impulse voltage (II/2)(KV)	2.5
Rated impulse voltage (III/2)(KV)	2.5
Rated impulse voltage (III/3)(KV)	2.5
Conductor cross section solid. min (mm <sup>2</sup> )	0.2
Conductor cross section solid.max (mm <sup>2</sup> )	1.5
Conductor cross section stranded. min (mm <sup>2</sup> )	0.2
Conductor cross section stranded. max (mm <sup>2</sup> )	1.5
Conductor cross section flexible, with min ferrule without plastic sleeve (mm <sup>2</sup> )	0.25
Conductor cross section flexible, with max ferrule without plastic sleeve (mm <sup>2</sup> )	1.5
Conductor cross section flexible, with min ferrule with plastic sleeve (mm <sup>2</sup> )	0.25
Conductor cross section flexible, with max ferrule with plastic sleeve (mm <sup>2</sup> )	1
2 conductors with same cross section, stranded, min (mm <sup>2</sup> )	0.5
2 conductors with same cross section, stranded, max (mm <sup>2</sup> )	0.5
Slotted screwdriver size (Blade thickness x Width)(mm)	0.5X3.0
Philips screwdriver size	0.5X3.0
Rated torque (N.m)	0.2
Tightening torque with flange. max (N.m)	0.1
Stripping Length (mm)	6~7

## Connection data-UL

Rated voltage (UL/CUL Group B)(V)	300
Rated current (UL/CUL Group B)(A)	8

Min. solid wire connection (AWG) acc. to UL/CUL	28
Max. solid wire connection AWG acc. to UL/CUL	14
Min. stranded wire connection AWG acc. to UL/CUL	28
Max. stranded wire connection AWG acc. to UL/CUL	14

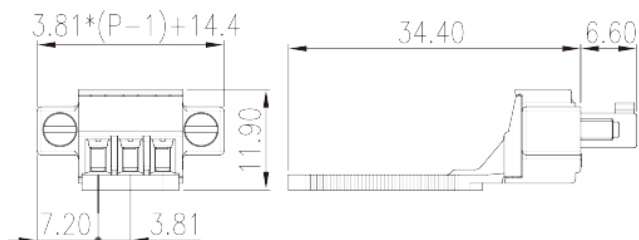
## Environment & Safety

Back of the hand protection (YES or NO)	YES
Finger protection (YES or NO)	YES
Operating temperature. max (°C)	110
Operating temperature. min (°C)	-40

## VDE Approval

Wire Range (mm <sup>2</sup> )	0.2~1.5
Rated voltage (V)	320
Rated current (A)	14

## Drawings



## Approvals

