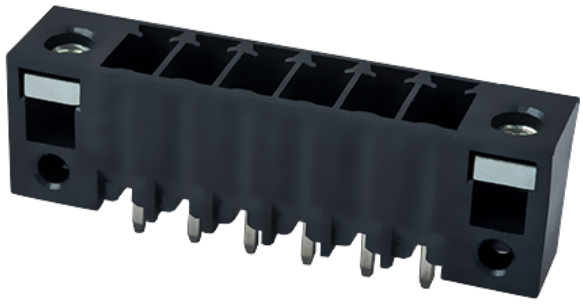
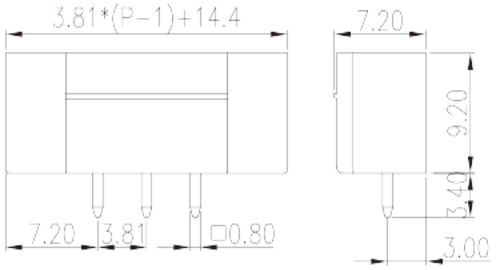
# ECH381VM-XXPWR

PCB Terminal Blocks > In tape-on-reel packing

Date:2026-11-13Version: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 : 3.81 mm, 300V, 8A

## General information

| | |
|---|---|
| Short description | PCB Connector – Socket, Wave soldering |
| Category | PCB Connector – Socket |
| Pitch (mm) | 3.81 |
| Color | Black (default) |
| Type of locking | With threaded flange |
| Soldering method | Wave Soldering |
| Length (mm) | 3.81*(P-1)+14.4 |
| Width (mm) | 7.2 |
| Height (mm) | 9.2 |
| Pin demensions (Thickness x Width)(mm) | 0.8x0.8 |
| PCB hole diameter (mm) | 1.2~1.3 |
| Number of positions | 02P~24P |

## Material information


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| | |
|---|---|
| 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 |
| Tightening torque with flange. max (N.m) | 0.3 |

## 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 |

## Environment & Safety

| | |
|---|---|
| Operating temperature. max (°C) | 120 |
| Operating temperature. min (°C) | -40 |

## UL Recognized

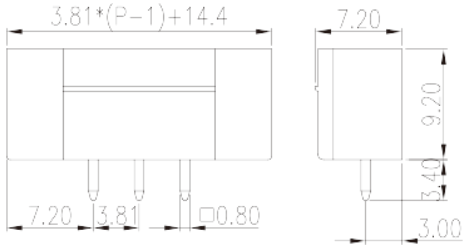
| | |
|---|---|
| Rated voltage (Group B)(V) | 300 |
| Rated current (Group B)(A) | 8 |
| Rated voltage (Group D)(V) | 300 |
| Rated current (Group D)(A) | 8 |

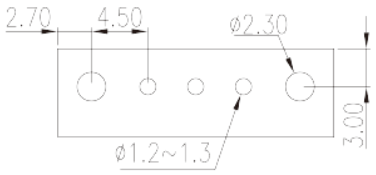
## CUL Recognized


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| | |
|---|---|
| Rated voltage (Group B)(V) | 300 |
| Rated current (Group B)(A) | 8 |
| Rated voltage (Group D)(V) | 300 |
| Rated current (Group D)(A) | 8 |

## Drawings




## Approvals


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