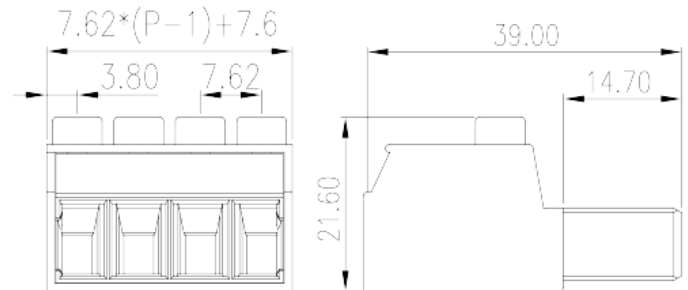
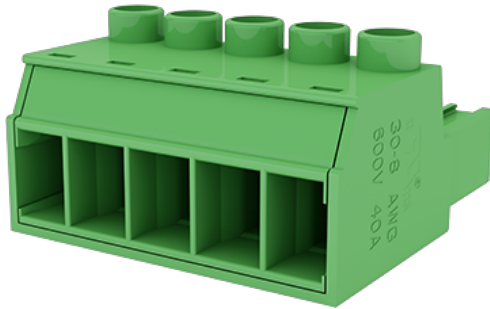


# EC762H-XXP

PCB Terminal Blocks &gt; PCB Connector-Plug

Date:2026-03-23



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: 7.62mm, M3, 600V, 41A

## General information

|                     |                                      |
|---------------------|--------------------------------------|
| Short description   | PCB Connector-Plug, Screw Connection |
| Category            | PCB Connector – Plug                 |
| Pitch (mm)          | 7.62                                 |
| Color               | Green (default)                      |
| Connection method   | Screw Connection                     |
| Type of locking     | Without                              |
| Length (mm)         | $7.62*(P-1)+7.6$                     |
| Width (mm)          | 39.5                                 |
| Height (mm)         | 21.6                                 |
| Number of positions | 02P~12P                              |
| Level               | Single level                         |

## Material information

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

|                              |                                     |
|------------------------------|-------------------------------------|
| Insulation resistance        | $\geq 500\text{M}\Omega$ at DC 500V |
| Conductor material           | HIGH PERFORMANCE COPPER ALLOY       |
| Plating of conductor surface | Tin PLATED                          |

## Connection data-IEC

|                                                                                                           |      |
|-----------------------------------------------------------------------------------------------------------|------|
| Rated voltage (V)                                                                                         | 1000 |
| Rated current (A)                                                                                         | 41   |
| 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 (mm <sup>2</sup> )                                                     | 0.2  |
| Conductor cross section solid.max (mm <sup>2</sup> )                                                      | 10   |
| Conductor cross section stranded. min (mm <sup>2</sup> )                                                  | 0.2  |
| Conductor cross section stranded. max (mm <sup>2</sup> )                                                  | 6    |
| 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> )              | 6    |
| 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> )                 | 4    |
| 2 conductors with same cross section, solid, min (mm <sup>2</sup> )                                       | 0.2  |
| 2 conductors with same cross section, solid, max (mm <sup>2</sup> )                                       | 2.5  |
| 2 conductors with same cross section, stranded, min (mm <sup>2</sup> )                                    | 0.2  |
| 2 conductors with same cross section, stranded, max (mm <sup>2</sup> )                                    | 4    |
| 2 conductors with same cross section flexible, with min ferrule without plastic sleeve (mm <sup>2</sup> ) | 0.25 |
| 2 conductors with same cross section flexible, with max ferrule without plastic sleeve (mm <sup>2</sup> ) | 1.5  |
| 2 conductors with same cross section flexible, min twin ferrules with plastic sleeve (mm <sup>2</sup> )   | 0.5  |
| 2 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm <sup>2</sup> )   | 2.5  |

|                                                        |            |
|--------------------------------------------------------|------------|
| Screw thread                                           | M3         |
| Slotted screwdriver size (Blade thickness x Width)(mm) | 0.8x4, PH2 |
| Recommend tightening torque. min (N.m)                 | 0.5        |
| Recommend tightening torque. max (N.m)                 | 0.6        |
| Stripping Length (mm)                                  | 10~11      |

## Connection data-UL

|                                                  |     |
|--------------------------------------------------|-----|
| Rated voltage (UL/CUL Group B)(V)                | 600 |
| Rated current (UL/CUL Group B)(A)                | 41  |
| Rated voltage (UL/CUL Group C)(V)                | 600 |
| Rated current (UL/CUL Group C)(A)                | 41  |
| Rated voltage (UL/CUL Group D)(V)                | 600 |
| Rated current (UL/CUL Group D)(A)                | 41  |
| Min. solid wire connection (AWG) acc. to UL/CUL  | 30  |
| Max. solid wire connection AWG acc. to UL/CUL    | 8   |
| Min. stranded wire connection AWG acc. to UL/CUL | 30  |
| Max. stranded wire connection AWG acc. to UL/CUL | 8   |

## Environment & Safety

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

## UL Recognized

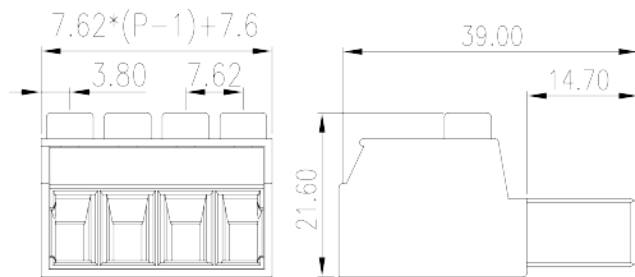
|                            |      |
|----------------------------|------|
| Wire Range (Group B)(AWG)  | 30~8 |
| Rated voltage (Group B)(V) | 600  |
| Rated current (Group B)(A) | 41   |
| Wire Range (Group C)(AWG)  | 30~8 |
| Rated voltage (Group C)(V) | 600  |
| Rated current (Group C)(A) | 41   |

## CUL Recognized

|                            |      |
|----------------------------|------|
| Wire Range (Group B)(AWG)  | 30~8 |
| Rated voltage (Group B)(V) | 600  |
| Rated current (Group B)(A) | 41   |

|                            |      |
|----------------------------|------|
| Wire Range (Group C)(AWG)  | 30~8 |
| Rated voltage (Group C)(V) | 600  |
| Rated current (Group C)(A) | 41   |

## Drawings



## Approvals

