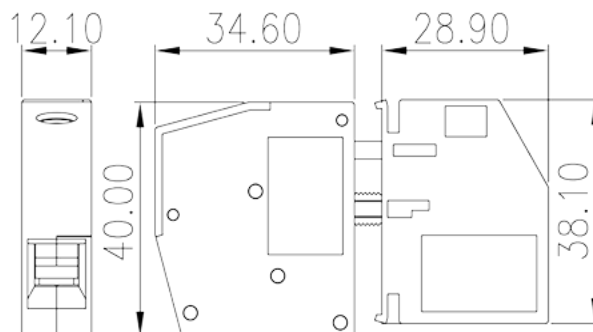
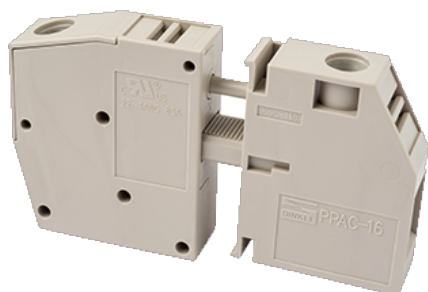


# PPAC-16

PCB Terminal Blocks > Panel Feed-Through Blocks

Date:2026-04-16Version:1.2



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

M5, 600V, 85A

## General information

|                     |                                      |
|---------------------|--------------------------------------|
| Short description   | Panel Feed-Through, Screw Connection |
| Category            | Panel Feed-Through                   |
| Color               | Grey (default)                       |
| Connection method   | Screw connection                     |
| Type of locking     | Without                              |
| Length (mm)         | 12.1                                 |
| Width (mm)          | 34.6+28.9                            |
| Height (mm)         | 40.4                                 |
| Number of positions | 1P                                   |

## 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)   | 500     |
| Rated current (A)   | 101     |
| Rated voltage (III/3)(V)  | 500     |
| Rated impulse voltage (III/3)(KV)   | 6       |
| Conductor cross section solid. min (mm <sup>2</sup> )   | 0.5     |
| Conductor cross section solid.max (mm <sup>2</sup> )  | 25      |
| Conductor cross section stranded. min (mm <sup>2</sup> )  | 0.5     |
| Conductor cross section stranded. max (mm <sup>2</sup> )  | 16      |
| Conductor cross section flexible, with min ferrule without plastic sleeve (mm <sup>2</sup> )              | 0.5     |
| Conductor cross section flexible, with max ferrule without plastic sleeve (mm <sup>2</sup> )              | 16      |
| Conductor cross section flexible, with min ferrule with plastic sleeve (mm <sup>2</sup> )                 | 0.5     |
| Conductor cross section flexible, with max ferrule with plastic sleeve (mm <sup>2</sup> )                 | 16      |
| 2 conductors with same cross section, solid, min (mm <sup>2</sup> )                                       | 0.5     |
| 2 conductors with same cross section, solid, max (mm <sup>2</sup> )                                       | 10      |
| 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> )                                    | 6       |
| 2 conductors with same cross section flexible, with min ferrule without plastic sleeve (mm <sup>2</sup> ) | 0.5     |
| 2 conductors with same cross section flexible, with max ferrule without plastic sleeve (mm <sup>2</sup> ) | 6       |
| 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> )   | 10      |
| Screw thread  | M5      |
| Philips screwdriver size  | PZ2     |
| Rated torque (N.m)  | 2.0~2.3 |
| Recommend tightening torque. min (N.m)  | 2       |
| Recommend tightening torque. max (N.m)  | 3.4     |
| Stripping Length (mm)   | 16~17   |

## Connection data-UL

|  |     |
|--|-----|
| Rated voltage (UL/CUL Group B)(V)                | 600 |
| Rated current (UL/CUL Group B)(A)                | 85  |
| Rated voltage (UL/CUL Group C)(V)                | 600 |
| Rated current (UL/CUL Group C)(A)                | 85  |
| Min. solid wire connection (AWG) acc. to UL/CUL  | 22  |
| Max. solid wire connection AWG acc. to UL/CUL    | 4   |
| Min. stranded wire connection AWG acc. to UL/CUL | 22  |
| Max. stranded wire connection AWG acc. to UL/CUL | 4   |

## Environment & Safety

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

## UL Recognized

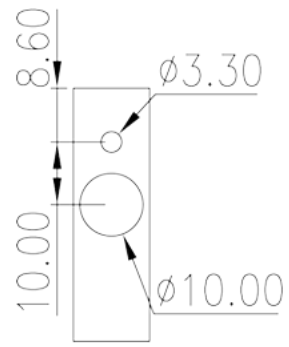
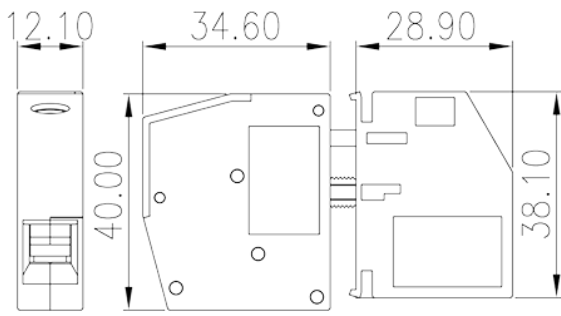
|                            |      |
|----------------------------|------|
| Wire Range (Group B)(AWG)  | 22~4 |
| Rated voltage (Group B)(V) | 600  |
| Rated current (Group B)(A) | 85   |
| Wire Range (Group C)(AWG)  | 22~4 |
| Rated voltage (Group C)(V) | 600  |
| Rated current (Group C)(A) | 85   |

## CUL Recognized

|                            |      |
|----------------------------|------|
| Wire Range (Group B)(AWG)  | 22~4 |
| Rated voltage (Group B)(V) | 600  |
| Rated current (Group B)(A) | 85   |
| Wire Range (Group C)(AWG)  | 22~4 |
| Rated voltage (Group C)(V) | 600  |
| Rated current (Group C)(A) | 85   |

## Drawings

|  |  |
|--|--|
|  |  |
|--|--|



## Approvals

