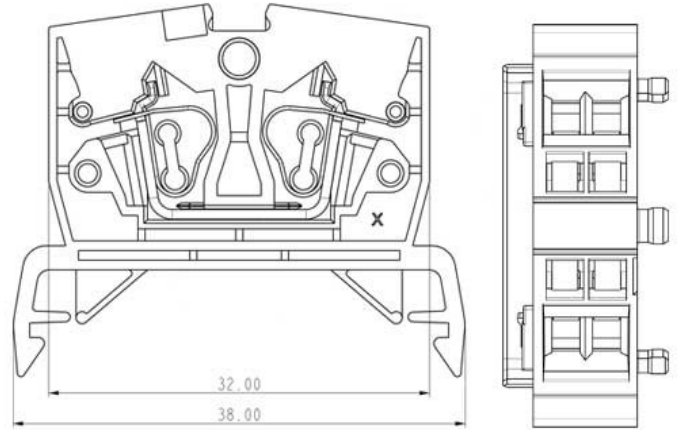
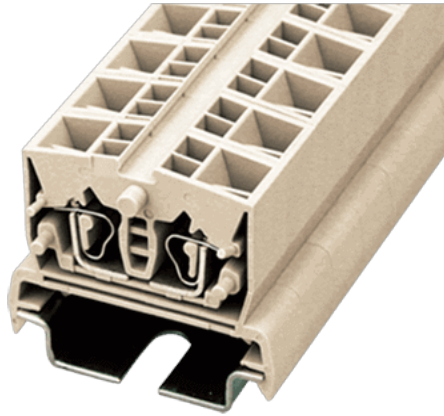


# AK2.5PPN

DIN Rail Terminal Blocks > Spring Clamp Connection

Date:2025-08-16Version:1.1



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

600V, 20A, Beige (default)

## General information

|                   |   |
|-------------------|---|
| Short description | DIN Rail terminal blocks, Feed through, Spring Clamp connection |
| Category          | Feed through terminal blocks                                    |
| Color             | Beige (default)   |
| Connection method | Spring Clamp Connection   |
| Type of locking   | Rail Mounting   |
| Length (mm)       | 38  |
| Width (mm)        | 10  |
| Height (mm)       | 33.9 (TS-35)  |
| Level             | Single level  |
| Connection points | 4   |

## 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

## Connection data-IEC

|   |         |
|---|---------|
| Rated voltage (V)   | 800     |
| Rated current (A)   | 24      |
| Rated voltage (III/3)(V)  | 800     |
| Rated impulse voltage (III/3)(KV)   | 8       |
| Conductor cross section solid. min (mm <sup>2</sup> )   | 0.5     |
| Conductor cross section solid.max (mm <sup>2</sup> )  | 2.5     |
| Conductor cross section stranded. min (mm <sup>2</sup> )  | 0.5     |
| Conductor cross section stranded. max (mm <sup>2</sup> )  | 2.5     |
| 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> )            | 1.5     |
| 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> )               | 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> ) | 1       |
| Philips screwdriver size  | 0.4x2.5 |
| Stripping Length (mm)   | 8~10    |
| Mounting rail   | TS-35   |
| End cover plate required  | YES     |
| Grounding connections   | NO      |

## Connection data-UL

|  |     |
|--|-----|
| Rated voltage (UL/CUL Group B)(V)                | 600 |
| Rated current (UL/CUL Group B)(A)                | 20  |
| Rated voltage (UL/CUL Group C)(V)                | 600 |
| Rated current (UL/CUL Group C)(A)                | 20  |
| Min. solid wire connection (AWG) acc. to UL/CUL  | 28  |
| Max. solid wire connection AWG acc. to UL/CUL    | 12  |
| Min. stranded wire connection AWG acc. to UL/CUL | 28  |
| Max. stranded wire connection AWG acc. to UL/CUL | 12  |

## 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)  | 28~12 |
| Rated voltage (Group B)(V) | 600   |
| Rated current (Group B)(A) | 20    |
| Wire Range (Group C)(AWG)  | 28~12 |
| Rated voltage (Group C)(V) | 600   |
| Rated current (Group C)(A) | 20    |

## CUL Recognized

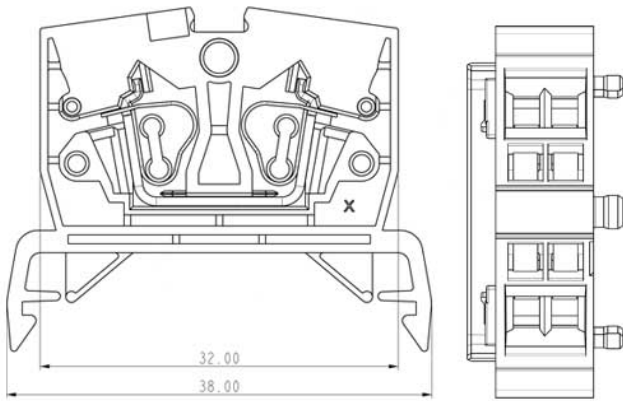
|                            |       |
|----------------------------|-------|
| Wire Range (Group B)(AWG)  | 28~12 |
| Rated voltage (Group B)(V) | 600   |
| Rated current (Group B)(A) | 20    |
| Wire Range (Group C)(AWG)  | 28~12 |
| Rated voltage (Group C)(V) | 600   |
| Rated current (Group C)(A) | 20    |

## VDE Approval

|                               |         |
|-------------------------------|---------|
| Wire Range (mm <sup>2</sup> ) | 0.5~2.5 |
| Rated voltage (V)             | 800     |
| Rated current (A)             | 24      |

## Drawings

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



## Approvals

