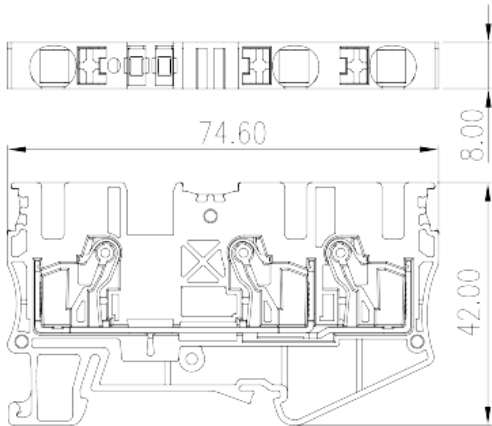
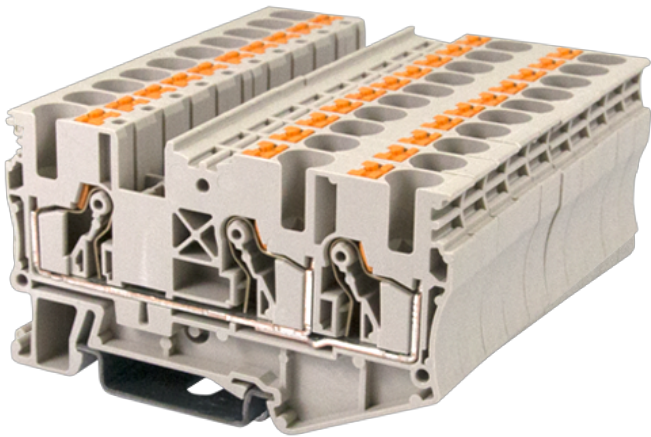


# DP6N-TN

DIN Rail Terminal Blocks > Push-in Design

Date:2024-04-02Version:V1.1



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, 40A, Beige (default)

## General information

|                     |  |
|---------------------|--|
| Short description   | Single level Feed-Through Terminal Block, Push-in Design |
| Category            | Single level Feed Through Terminal Block                 |
| Color               | Beige (default)  |
| Connection method   | Push-in Design   |
| Type of locking     | Rail Mounting  |
| Length (mm)         | 74.6   |
| Width (mm)          | 8  |
| Height (mm)         | 42   |
| Number of positions | ≥1P  |
| Level               | Single level   |
| Connection points   | 3  |

## 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)   | 1000    |
| Rated current (A)   | 41      |
| Rated voltage (III/3)(V)  | 1000    |
| 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> )  | 10      |
| Conductor cross section stranded. min (mm <sup>2</sup> )  | 0.5     |
| Conductor cross section stranded. max (mm <sup>2</sup> )  | 6       |
| Conductor cross section flexible, with min ferrule without plastic sleeve (mm <sup>2</sup> )            | 0.5     |
| 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> )               | 0.5     |
| Conductor cross section flexible, with max ferrule with 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> ) | 1.5     |
| Slotted screwdriver size (Blade thickness x Width)(mm)  | 0.8x4.0 |
| Stripping Length (mm)   | 12      |
| 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)                | 40  |
| Rated voltage (UL/CUL Group C)(V)                | 600 |
| Rated current (UL/CUL Group C)(A)                | 40  |
| Min. solid wire connection (AWG) acc. to UL/CUL  | 20  |
| Max. solid wire connection AWG acc. to UL/CUL    | 8   |
| Min. stranded wire connection AWG acc. to UL/CUL | 20  |

Max. stranded wire connection AWG acc. to UL/CUL

8

## 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 |

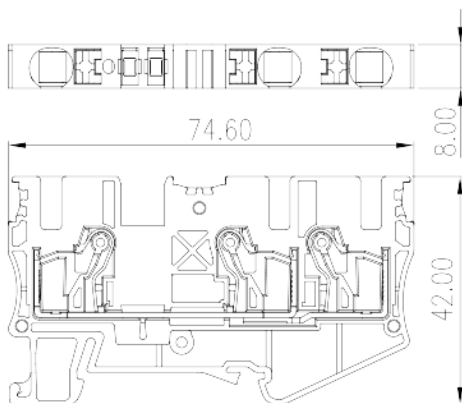
## UL Recognized

|                            |      |
|----------------------------|------|
| Wire Range (Group B)(AWG)  | 20~8 |
| Rated voltage (Group B)(V) | 600  |
| Rated current (Group B)(A) | 40   |
| Wire Range (Group C)(AWG)  | 20~8 |
| Rated voltage (Group C)(V) | 600  |
| Rated current (Group C)(A) | 40   |

## CUL Recognized

|                            |      |
|----------------------------|------|
| Wire Range (Group B)(AWG)  | 20~8 |
| Rated voltage (Group B)(V) | 600  |
| Rated current (Group B)(A) | 40   |
| Wire Range (Group C)(AWG)  | 20~8 |
| Rated voltage (Group C)(V) | 600  |
| Rated current (Group C)(A) | 40   |

## Drawings



## Approvals

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