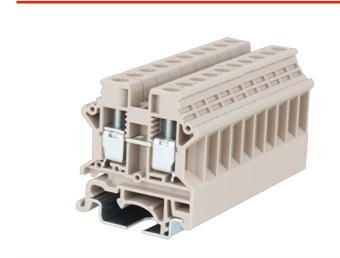
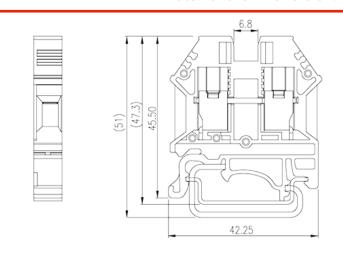


# DK6N

DIN Rail Terminal Blocks > Screw Connection

Date:2023-01-26Version: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**

M4, 600V, 50A, Beige (default)

#### General information

| Short description   | DIN rail terminal blocks, Feed through terminal blocks |
|---------------------|--|
| Category            | Feed through terminal blocks                           |
| Color               | Beige (default)  |
| Connection method   | Screw connection                                       |
| Type of locking     | Rail mounting  |
| Length (mm)         | 43.3   |
| Width (mm)          | 8  |
| Height (mm)         | 46.3   |
| Number of positions | □1P  |
| Level               | Single level   |
| Connection points   | 2  |
|                     |  |

### Material information

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



| Insulation resistance  | □500MΩ at DC 500V |  |
|--|-------------------|--|
| Connection data-IEC  |                   |  |
| Rated voltage (V)  | 1000              |  |
| Rated current (A)  | 41                |  |
| Rated voltage (III/3)(V)   | 1000              |  |
| 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 (mm²)   | 0.5               |  |
| Conductor cross section solid.max (mm²)  | 6                 |  |
| Conductor cross section stranded. min (mm²)  | 0.5               |  |
| Conductor cross section stranded. max (mm²)  | 6                 |  |
| Conductor cross section flexible, with min ferrule without plastic sleeve (mm²)              | 0.5               |  |
| Conductor cross section flexible, with max ferrule without plastic sleeve (mm²)              | 6                 |  |
| Conductor cross section flexible, with min ferrule with plastic sleeve (mm²)                 | 0.5               |  |
| Conductor cross section flexible, with max ferrule with plastic sleeve (mm²)                 | 6                 |  |
| 2 conductors with same cross section, solid, min (mm²)                                       | 0.5               |  |
| 2 conductors with same cross section, solid, max (mm²)                                       | 4                 |  |
| 2 conductors with same cross section, stranded, min (mm²)                                    | 0.5               |  |
| 2 conductors with same cross section, stranded, max (mm²)                                    | 4                 |  |
| 2 conductors with same cross section flexible, with min ferrule without plastic sleeve (mm²) | 0.5               |  |
| 2 conductors with same cross section flexible, with max ferrule without plastic sleeve (mm²) | 4                 |  |
| 2 conductors with same cross section flexible, min twin ferrules with plastic sleeve (mm²)   | 0.5               |  |
| 2 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)   | 4                 |  |
| Screw thread   | M4                |  |
| Slotted screwdriver size (Blade thickness x Width)(mm)                                       | 0.8x4.0           |  |
| Philips screwdriver size   | PH1               |  |
| Rated torque (N.m)   | 1.2               |  |

| Stripping Length (mm)  | 12~14  |
|--|--|
| 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)  | 50   |
| Rated voltage (UL/CUL Group C)(V)  | 600  |
| Rated current (UL/CUL Group C)(A)  | 50   |
| Rated voltage (UL/CUL Group D)(V)  | 600  |
| Rated current (UL/CUL Group D)(A)  | 5  |
| 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  |
| Back of the hand protection (YES or NO) Finger protection (YES or NO)  | YES<br>YES                                     |
| ·  |  |
| Finger protection (YES or NO)  | YES  |
| Finger protection (YES or NO)  Operating temperature. max (°C)   | YES<br>120                                     |
| Finger protection (YES or NO)  Operating temperature. max (°C)  Operating temperature. min (°C)  | YES<br>120                                     |
| Finger protection (YES or NO)  Operating temperature. max (°C)  Operating temperature. min (°C)  UL Recognized   | YES<br>120<br>-40                              |
| Finger protection (YES or NO)  Operating temperature. max (°C)  Operating temperature. min (°C)  UL Recognized  Wire Range (Group B)(AWG)  | YES<br>120<br>-40                              |
| Finger protection (YES or NO)  Operating temperature. max (°C)  Operating temperature. min (°C)  UL Recognized  Wire Range (Group B)(AWG)  Rated voltage (Group B)(V)  | YES<br>120<br>-40<br>20~8<br>600               |
| Finger protection (YES or NO)  Operating temperature. max (°C)  Operating temperature. min (°C)  UL Recognized  Wire Range (Group B)(AWG)  Rated voltage (Group B)(V)  Rated current (Group B)(A)  | YES<br>120<br>-40<br>20~8<br>600<br>50         |
| Finger protection (YES or NO)  Operating temperature. max (°C)  Operating temperature. min (°C)  UL Recognized  Wire Range (Group B)(AWG)  Rated voltage (Group B)(V)  Rated current (Group B)(A)  Wire Range (Group C)(AWG)   | YES<br>120<br>-40<br>20~8<br>600<br>50<br>20~8 |
| Finger protection (YES or NO)  Operating temperature. max (°C)  Operating temperature. min (°C)  UL Recognized  Wire Range (Group B)(AWG)  Rated voltage (Group B)(V)  Rated current (Group B)(A)  Wire Range (Group C)(AWG)  Rated voltage (Group C)(V)                             | YES 120 -40  20~8 600 50 20~8 600              |
| Finger protection (YES or NO)  Operating temperature. max (°C)  Operating temperature. min (°C)  UL Recognized  Wire Range (Group B)(AWG)  Rated voltage (Group B)(V)  Rated current (Group B)(A)  Wire Range (Group C)(AWG)  Rated voltage (Group C)(V)  Rated current (Group C)(A) | YES 120 -40  20~8 600 50 20~8 600 50 50        |

## CUL Recognized

| Wire Range (Group B)(AWG)  | 20~8 |
|----------------------------|------|
| Rated voltage (Group B)(V) | 600  |
| Rated current (Group B)(A) | 50   |
| Wire Range (Group C)(AWG)  | 20~8 |
| Rated voltage (Group C)(V) | 600  |
| Rated current (Group C)(A) | 50   |
| Wire Ranget (Group D)(AWG) | 20~8 |
| Rated voltage (Group D)(V) | 600  |
| Rated current (Group D)(A) | 5    |

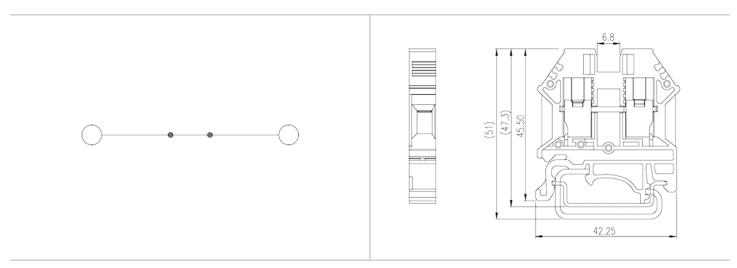
### **VDE** Approval

| Wire Range (mm²)  | 0.5~6 |
|-------------------|-------|
| Rated voltage (V) | 1000  |
| Rated current (A) | 41    |

## Explosion - proof Approvals

| Wire Range (mm²)  | 0.5~6.0 |
|-------------------|---------|
| Rated voltage (V) | 1000    |
| Rated current (A) | 41      |

## Drawings



## Approvals











