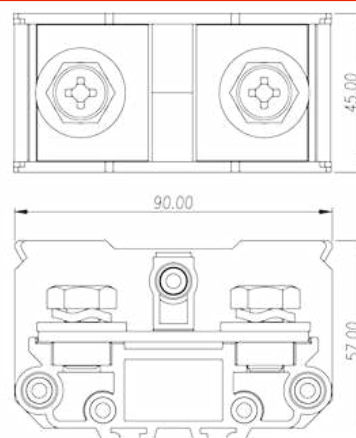


# DKB300

NEMA Terminal Blocks > Rail Mounting

Date:2022-11-01



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

M10, 600V, 380A

## General information

|                   |   |
|-------------------|---|
| Short description | Barrier terminal blocks, Screw connection |
| Category          | Rail mounting terminal blocks             |
| Color             | Black (default)                           |
| Connection method | Screw connection                          |
| Type of locking   | Rail mounting                             |
| Level             | Single level                              |

## Material information

|  |              |
|--|--------------|
| Insulation material                          | PC           |
| Insulation material group                    | IIIa         |
| Flame retardant rating , compliant with UL94 | V2           |
| Conductor material                           | Copper Alloy |
| Plating of conductor surface                 | Ni plated    |

## Connection data-IEC

|                   |     |
|-------------------|-----|
| Rated voltage (V) | 800 |
|-------------------|-----|

|  |              |
|--|--------------|
| Rated current (A)  | 415          |
| 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> )                  | 70 or 10(2)  |
| Conductor cross section solid.max (mm <sup>2</sup> )                   | 240 or 70(2) |
| Conductor cross section stranded. min (mm <sup>2</sup> )               | 70 or 10(2)  |
| Conductor cross section stranded. max (mm <sup>2</sup> )               | 240 or 70(2) |
| 2 conductors with same cross section, solid, max (mm <sup>2</sup> )    | 240          |
| 2 conductors with same cross section, stranded, max (mm <sup>2</sup> ) | 240          |
| Screw thread   | M10          |
| Slotted screwdriver size (Blade thickness x Width)(mm)                 | 1.0x5.5      |
| Rated torque (N.m)   | 10           |
| Recommend tightening torque. min (N.m)                                 | 4            |
| Recommend tightening torque. max (N.m)                                 | 10           |
| Stripping Length (mm)  | 32~33        |

## Connection data-UL

|  |                    |
|--|--------------------|
| Rated voltage (UL/CUL Group B)(V)                | 600                |
| Rated current (UL/CUL Group B)(A)                | 380                |
| Rated voltage (UL/CUL Group C)(V)                | 600                |
| Rated current (UL/CUL Group C)(A)                | 380                |
| Min. solid wire connection (AWG) acc. to UL/CUL  | 3/0 or 6(2)        |
| Max. solid wire connection AWG acc. to UL/CUL    | 500Kcmil or 3/0(2) |
| Min. stranded wire connection AWG acc. to UL/CUL | 3/0 or 6(2)        |
| Max. stranded wire connection AWG acc. to UL/CUL | 500Kcmil or 3/0(2) |

## Environment & Safety

|   |     |
|---|-----|
| Back of the hand protection (YES or NO) | YES |
| Operating temperature. max (°C)         | 125 |
| Operating temperature. min (°C)         | -40 |

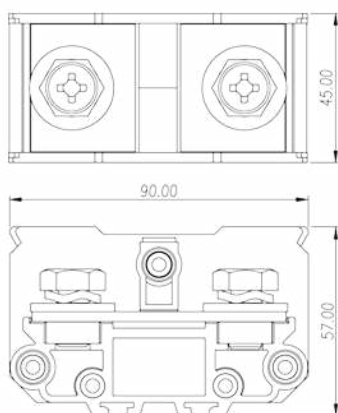
## UL Recognized

|                            |              |
|----------------------------|--------------|
| Wire Range (Group B)(AWG)  | 500Kcmil~3/0 |
| Rated voltage (Group B)(V) | 600          |
| Rated current (Group B)(A) | 380          |
| Wire Range (Group C)(AWG)  | 500Kcmil~3/0 |
| Rated voltage (Group C)(V) | 600          |
| Rated current (Group C)(A) | 380          |

### CUL Recognized

|                            |              |
|----------------------------|--------------|
| Wire Range (Group B)(AWG)  | 500Kcmil~3/0 |
| Rated voltage (Group B)(V) | 600          |
| Rated current (Group B)(A) | 380          |
| Wire Range (Group C)(AWG)  | 500Kcmil~3/0 |
| Rated voltage (Group C)(V) | 600          |
| Rated current (Group C)(A) | 380          |

### Drawings



### Approvals

