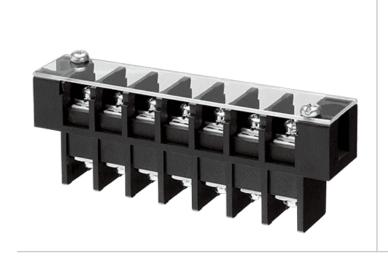
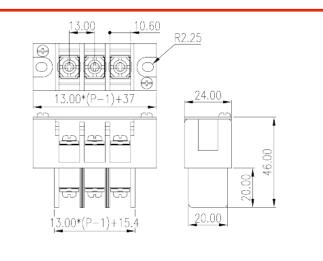


# 0168-35XX

Barrier Terminal Blocks > Panel Feed-Through

Date:2025-11-02Version: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**

Pitch: 13mm, M4, 600V, 50A

#### General information

| Short description | Barrier terminal blocks , Screw connection |
|-------------------|--|
| Category          | Panel Feed Through Terminal Blocks         |
| Pitch (mm)        | 13   |
| Color             | Black(default)                             |
| Connection method | Screw connection                           |
| Type of locking   | With mounting flange                       |
| Level             | Single level                               |

#### Material information

| Insulation material                          | PBT          |
|--|--------------|
| Insulation material group                    | IIIa         |
| Flame retardant rating , compliant with UL94 | V0           |
| Conductor material                           | Copper Alloy |
| Plating of conductor surface                 | Tinned       |

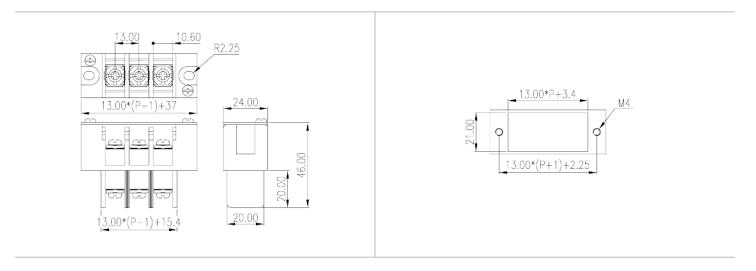
#### Connection data-IEC

| Rated voltage (V)   | 630     |
|---|---------|
| Rated current (A)   | 57      |
| Rated voltage (II/2)(V)                                   | 1000    |
| Rated voltage (III/2) (V)                                 | 1000    |
| Rated voltage (III/3)(V)                                  | 630     |
| 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)                  | 0.34    |
| Conductor cross section solid.max (mm²)                   | 10      |
| Conductor cross section stranded. min (mm²)               | 0.34    |
| Conductor cross section stranded. max (mm²)               | 10      |
| 2 conductors with same cross section, solid, max (mm²)    | 6       |
| 2 conductors with same cross section, stranded, max (mm²) | 6       |
| Screw thread  | M4      |
| Slotted screwdriver size (Blade thickness x Width)(mm)    | 1.0x5.5 |
| Philips screwdriver size                                  | PH2     |
| Rated torque (N.m)  | 1.8     |
| Recommend tightening torque. min (N.m)                    | 1.2     |
| Recommend tightening torque. max (N.m)                    | 1.8     |
| Stripping Length (mm)                                     | 8       |
| 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      |
| Min. solid wire connection (AWG) acc. to UL/CUL           | 22      |
| Max. solid wire connection AWG acc. to UL/CUL             | 8       |
| Min. stranded wire connection AWG acc. to UL/CUL          | 22      |
| Max. stranded wire connection AWG acc. to UL/CUL          | 8       |
| Environment & Safety                                      |         |
| Back of the hand protection (YES or NO)                   | YES     |



| Operating temperature. max (°C)           | 120     |
|---|---------|
| Operating temperature. min (°C)           | -40     |
| UL Recognized                             |         |
| Wire Range (Group B)(AWG)                 | 22~8    |
| Rated voltage (Group B)(V)                | 600     |
| Rated current (Group B)(A)                | 50      |
| Wire Range (Group C)(AWG)                 | 22~8    |
| Rated voltage (Group C)(V)                | 600     |
| Rated current (Group C)(A)                | 50      |
| CUL Recognized  Wire Range (Group B)(AWG) | 22~8    |
| Rated voltage (Group B)(V)                | 600     |
| Rated current (Group B)(A)                | 50      |
| Wire Range (Group C)(AWG)                 | 22~8    |
| Rated voltage (Group C)(V)                | 600     |
| Rated current (Group C)(A)                | 50      |
| VDE Approval                              |         |
| Wire Range (mm²)                          | 0.34~10 |
| Rated voltage (V)                         | 630     |
| Rated current (A)                         | 57      |

## Drawings





## Approvals







