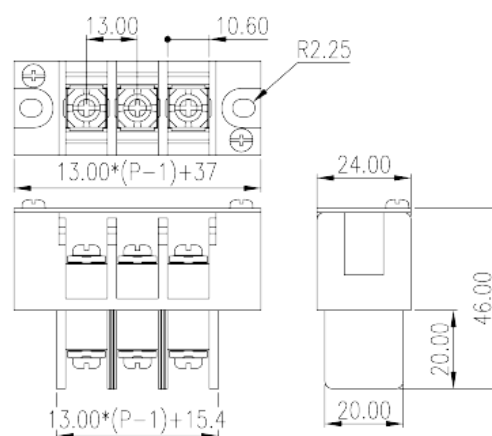
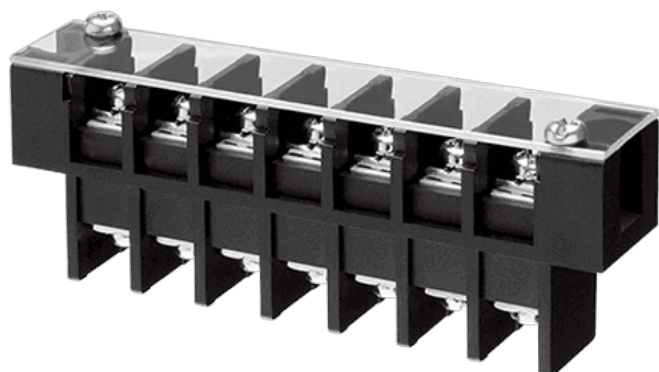


# 0168-35XX

Barrier Terminal Blocks > Panel Feed-Through

Date:2025-08-14Version: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 (mm <sup>2</sup> )                  | 0.34    |
| Conductor cross section solid.max (mm <sup>2</sup> )                   | 10      |
| Conductor cross section stranded. min (mm <sup>2</sup> )               | 0.34    |
| Conductor cross section stranded. max (mm <sup>2</sup> )               | 10      |
| 2 conductors with same cross section, solid, max (mm <sup>2</sup> )    | 6       |
| 2 conductors with same cross section, stranded, max (mm <sup>2</sup> ) | 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   |

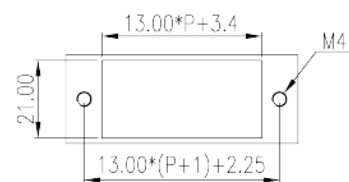
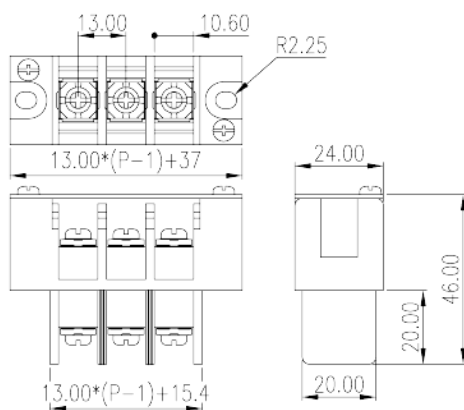
## CUL Recognized

|                            |      |
|----------------------------|------|
| 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 (mm <sup>2</sup> ) | 0.34~10 |
| Rated voltage (V)             | 630     |
| Rated current (A)             | 57      |

## Drawings



## Approvals

---

