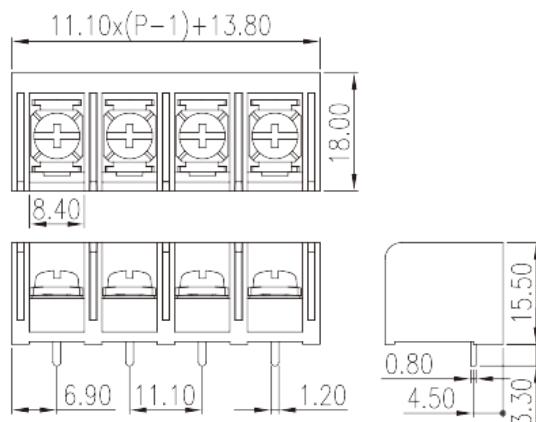


# DT-69-H53W-XX

Barrier Terminal Blocks > Single Row

Date:2026-09-11Version: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: 11.10mm , #6-32, 600V, 20/45A

## General information

|                                        |                                            |
|----------------------------------------|--------------------------------------------|
| Short description                      | Barrier terminal blocks , Screw connection |
| Category                               | Single Row                                 |
| Pitch (mm)                             | 11.10                                      |
| Color                                  | Black(default)                             |
| Connection method                      | Screw connection                           |
| Type of locking                        | Without                                    |
| Pin demensions (Thickness x Width)(mm) | 0.8X1.2                                    |
| PCB hole diameter (mm)                 | 1.5~1.6                                    |
| Level                                  | Single Row                                 |

## 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 current (A)                                                      | 32      |
| Rated voltage (II/2)(V)                                                | 800     |
| Rated voltage (III/2) (V)                                              | 800     |
| Rated voltage (III/3)(V)                                               | 500     |
| 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> )                   | 4       |
| Conductor cross section stranded. min (mm <sup>2</sup> )               | 0.34    |
| Conductor cross section stranded. max (mm <sup>2</sup> )               | 4       |
| 2 conductors with same cross section, solid, max (mm <sup>2</sup> )    | 2.5     |
| 2 conductors with same cross section, stranded, max (mm <sup>2</sup> ) | 2.5     |
| Screw thread                                                           | #6-32   |
| Slotted screwdriver size (Blade thickness x Width)(mm)                 | 1.0x5.5 |
| Philips screwdriver size                                               | PH2     |
| Rated torque (N.m)                                                     | 1       |
| Recommend tightening torque. min (N.m)                                 | 0.8     |
| Recommend tightening torque. max (N.m)                                 | 1       |
| Stripping Length (mm)                                                  | 7~8     |

## Connection data-UL

|                                                  |                |
|--------------------------------------------------|----------------|
| Rated voltage (UL/CUL Group B)(V)                | 600            |
| Rated current (UL/CUL Group B)(A)                | 20 Str /45 Sol |
| Rated voltage (UL/CUL Group C)(V)                | 600            |
| Rated current (UL/CUL Group C)(A)                | 20 Str/45 Sol  |
| Min. solid wire connection (AWG) acc. to UL/CUL  | 22/10          |
| Max. solid wire connection AWG acc. to UL/CUL    | 12/8           |
| Min. stranded wire connection AWG acc. to UL/CUL | 22/10          |
| Max. stranded wire connection AWG acc. to UL/CUL | 12/8           |

## Environment & Safety

|                                         |     |
|-----------------------------------------|-----|
| Back of the hand protection (YES or NO) | YES |
|-----------------------------------------|-----|

|                                 |     |
|---------------------------------|-----|
| Operating temperature. max (°C) | 130 |
| 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) | 20 Str /45 Sol |
| Wire Range (Group C)(AWG)  | 22~8           |
| Rated voltage (Group C)(V) | 600            |
| Rated current (Group C)(A) | 20 Str/45 Sol  |

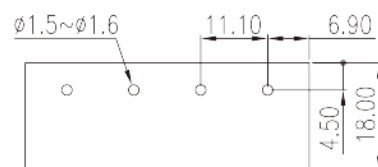
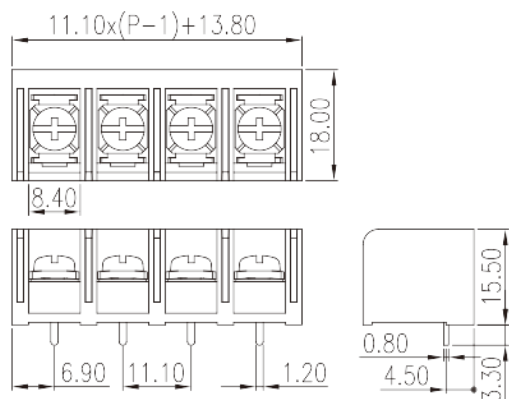
## CUL Recognized

|                            |                |
|----------------------------|----------------|
| Wire Range (Group B)(AWG)  | 22~8           |
| Rated voltage (Group B)(V) | 600            |
| Rated current (Group B)(A) | 20 Str /45 Sol |
| Wire Range (Group C)(AWG)  | 22~8           |
| Rated voltage (Group C)(V) | 600            |
| Rated current (Group C)(A) | 20 Str/45 Sol  |

## VDE Approval

|                               |        |
|-------------------------------|--------|
| Wire Range (mm <sup>2</sup> ) | 0.34~4 |
| Rated current (A)             | 32     |

## Drawings



## Approvals

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