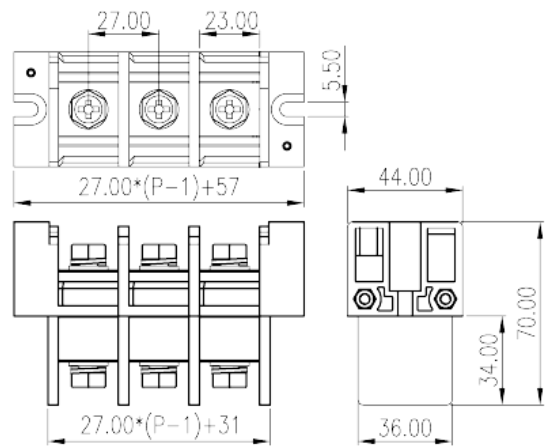
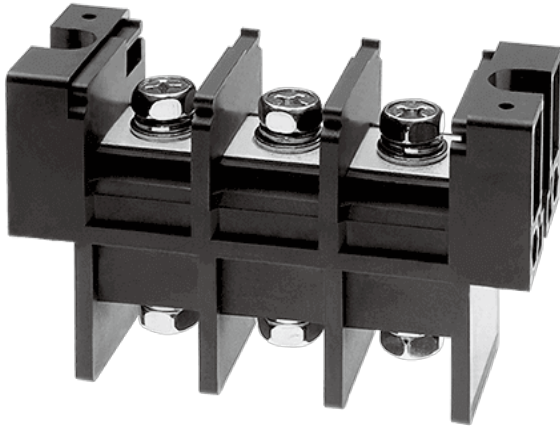


# 0168-63XX

Barrier Terminal Blocks &gt; Panel Feed-Through

Date:2025-08-20Version: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: 27mm , M8, 600V, 175A

## General information

Short description	Barrier terminal blocks , Screw connection
Category	Panel Feed Through Terminal Blocks
Pitch (mm)	27
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 current (A)	192
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> )	6
Conductor cross section solid.max (mm <sup>2</sup> )	70
Conductor cross section stranded. min (mm <sup>2</sup> )	6
Conductor cross section stranded. max (mm <sup>2</sup> )	70
2 conductors with same cross section, solid, max (mm <sup>2</sup> )	50
2 conductors with same cross section, stranded, max (mm <sup>2</sup> )	50
Screw thread	M8
Philips screwdriver size	PH3 ,#13
Recommend tightening torque. min (N.m)	3.5
Recommend tightening torque. max (N.m)	4.2
Stripping Length (mm)	22

## Connection data-UL

Rated voltage (UL/CUL Group B)(V)	600
Rated current (UL/CUL Group B)(A)	175
Rated voltage (UL/CUL Group C)(V)	600
Rated current (UL/CUL Group C)(A)	175
Min. solid wire connection (AWG) acc. to UL/CUL	10
Max. solid wire connection AWG acc. to UL/CUL	2/0
Min. stranded wire connection AWG acc. to UL/CUL	10
Max. stranded wire connection AWG acc. to UL/CUL	2/0

## Environment & Safety

Back of the hand protection (YES or NO)	YES
Operating temperature. max (°C)	130
Operating temperature. min (°C)	-40

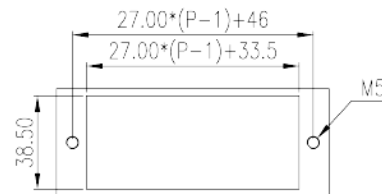
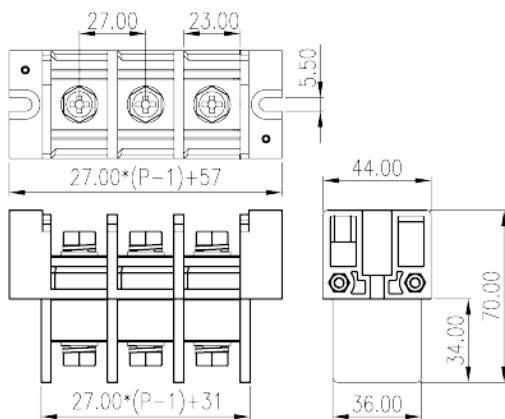
## UL Recognized

Wire Range (Group B)(AWG)	10~2/0
Rated voltage (Group B)(V)	600
Rated current (Group B)(A)	175
Wire Range (Group C)(AWG)	10~2/0
Rated voltage (Group C)(V)	600
Rated current (Group C)(A)	175

## CUL Recognized

Wire Range (Group B)(AWG)	10~2/0
Rated voltage (Group B)(V)	600
Rated current (Group B)(A)	175
Wire Range (Group C)(AWG)	10~2/0
Rated voltage (Group C)(V)	600
Rated current (Group C)(A)	175

## Drawings



## Approvals

