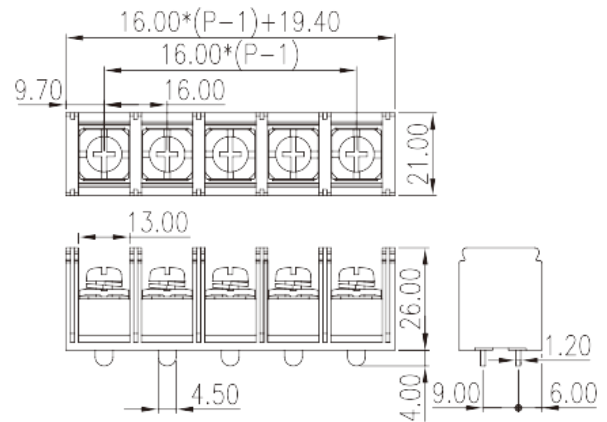
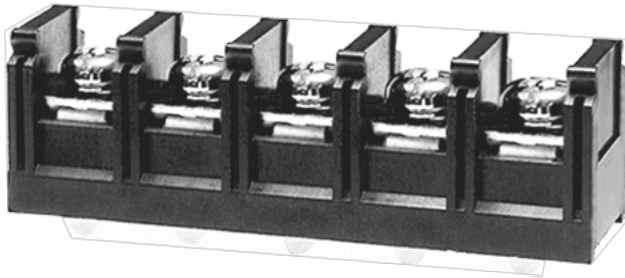


# 0166-80XX

Barrier Terminal Blocks &gt; Single Row

Date:2025-08-17Version: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: 16.00mm , M5, 600V, 65/85/100A

## General information

Short description	Barrier terminal blocks , Screw connection
Category	Single Row
Pitch (mm)	16.00
Color	Black(default)
Connection method	Screw connection
Type of locking	Without
Pin demensions (Thickness x Width)(mm)	1.2X4.5
PCB hole diameter (mm)	1.7x5.8
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)	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)	10KV
Rated impulse voltage (III/2)(KV)	10KV
Rated impulse voltage (III/3)(KV)	10KV
Conductor cross section solid. min (mm²)	1.5
Conductor cross section solid.max (mm²)	10
Conductor cross section stranded. min (mm²)	1.5
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	M5
Slotted screwdriver size (Blade thickness x Width)(mm)	1.0x5.5
Philips screwdriver size	PH2
Rated torque (N.m)	2.4
Recommend tightening torque. min (N.m)	2
Recommend tightening torque. max (N.m)	2.4
Stripping Length (mm)	14~15

## Connection data-UL

Rated voltage (UL/CUL Group B)(V)	600
Rated current (UL/CUL Group B)(A)	65/85/100
Rated voltage (UL/CUL Group C)(V)	600
Rated current (UL/CUL Group C)(A)	65/85/100
Min. solid wire connection (AWG) acc. to UL/CUL	14/4/-
Max. solid wire connection AWG acc. to UL/CUL	6/4/-
Min. stranded wire connection AWG acc. to UL/CUL	14/-/3
Max. stranded wire connection AWG acc. to UL/CUL	6/-/3

## Environment & Safety

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

## UL Recognized

Wire Range (Group B)(AWG)	14~3
Rated voltage (Group B)(V)	600
Rated current (Group B)(A)	65/85/100
Wire Range (Group C)(AWG)	14~3
Rated voltage (Group C)(V)	600
Rated current (Group C)(A)	65/85/100

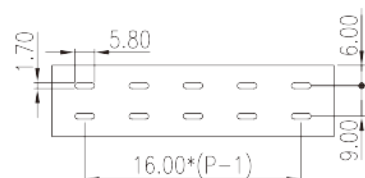
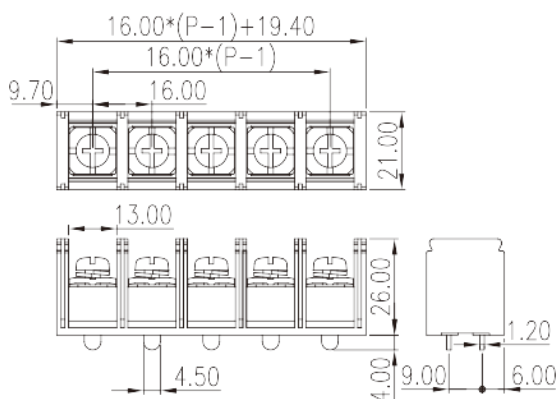
## CUL Recognized

Wire Range (Group B)(AWG)	14~3
Rated voltage (Group B)(V)	600
Rated current (Group B)(A)	65/85/100
Wire Range (Group C)(AWG)	14~3
Rated voltage (Group C)(V)	600
Rated current (Group C)(A)	65/85/100

## VDE Approval

Wire Range (mm <sup>2</sup> )	1.5~10
Rated current (A)	57

## Drawings



## Approvals

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