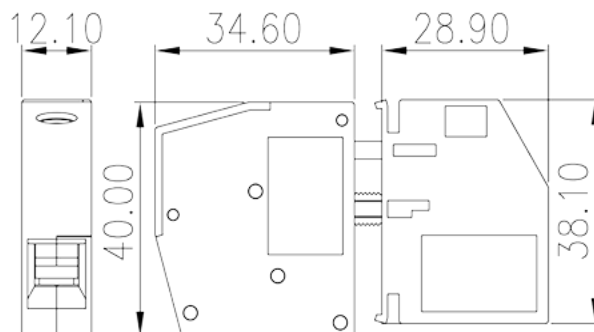
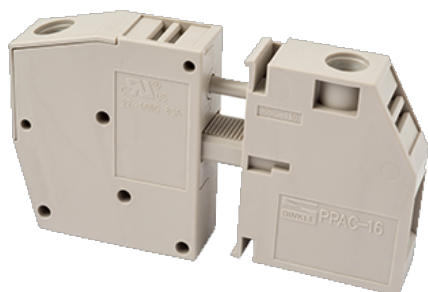


# PPAC-16

PCB Terminal Blocks > Panel Feed-Through Blocks

Date:2024-07-27Version:1.2



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

M5, 600V, 85A

## General information

Short description	Panel Feed-Through, Screw Connection
Category	Panel Feed-Through
Color	Grey (default)
Connection method	Screw connection
Type of locking	Without
Length (mm)	12.1
Width (mm)	34.6+28.9
Height (mm)	40.4
Number of positions	1P

## Material information

Insulation material	PA
Insulation material group	I
Flame retardant rating , compliant with UL94	V0
Insulation resistance	□500MΩ at DC 500V
Conductor material	COPPER ALLOY

Plating of conductor surface

Tin PLATED

## Connection data-IEC

Rated voltage (V)	500
Rated current (A)	101
Rated voltage (III/3)(V)	500
Rated impulse voltage (III/3)(KV)	6
Conductor cross section solid. min (mm <sup>2</sup> )	0.5
Conductor cross section solid.max (mm <sup>2</sup> )	25
Conductor cross section stranded. min (mm <sup>2</sup> )	0.5
Conductor cross section stranded. max (mm <sup>2</sup> )	16
Conductor cross section flexible, with min ferrule without plastic sleeve (mm <sup>2</sup> )	0.5
Conductor cross section flexible, with max ferrule without plastic sleeve (mm <sup>2</sup> )	16
Conductor cross section flexible, with min ferrule with plastic sleeve (mm <sup>2</sup> )	0.5
Conductor cross section flexible, with max ferrule with plastic sleeve (mm <sup>2</sup> )	16
2 conductors with same cross section, solid, min (mm <sup>2</sup> )	0.5
2 conductors with same cross section, solid, max (mm <sup>2</sup> )	10
2 conductors with same cross section, stranded, min (mm <sup>2</sup> )	0.5
2 conductors with same cross section, stranded, max (mm <sup>2</sup> )	6
2 conductors with same cross section flexible, with min ferrule without plastic sleeve (mm <sup>2</sup> )	0.5
2 conductors with same cross section flexible, with max ferrule without plastic sleeve (mm <sup>2</sup> )	6
2 conductors with same cross section flexible, min twin ferrules with plastic sleeve (mm <sup>2</sup> )	0.5
2 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm <sup>2</sup> )	10
Screw thread	M5
Philips screwdriver size	PZ2
Rated torque (N.m)	2.0~2.3
Recommend tightening torque. min (N.m)	2
Recommend tightening torque. max (N.m)	3.4
Stripping Length (mm)	16~17

## Connection data-UL

Rated voltage (UL/CUL Group B)(V)	600
Rated current (UL/CUL Group B)(A)	85
Rated voltage (UL/CUL Group C)(V)	600
Rated current (UL/CUL Group C)(A)	85
Min. solid wire connection (AWG) acc. to UL/CUL	22
Max. solid wire connection AWG acc. to UL/CUL	4
Min. stranded wire connection AWG acc. to UL/CUL	22
Max. stranded wire connection AWG acc. to UL/CUL	4

## Environment & Safety

Back of the hand protection (YES or NO)	YES
Finger protection (YES or NO)	YES
Operating temperature. max (°C)	120
Operating temperature. min (°C)	-40

## UL Recognized

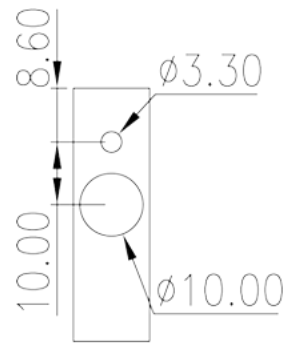
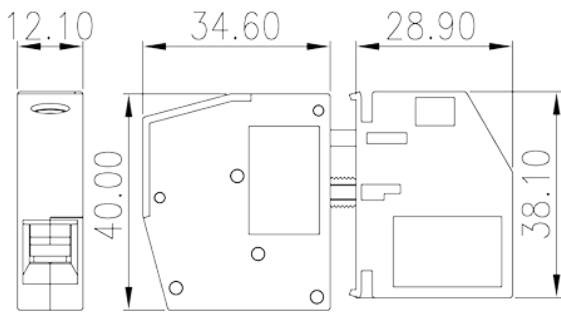
Wire Range (Group B)(AWG)	22~4
Rated voltage (Group B)(V)	600
Rated current (Group B)(A)	85
Wire Range (Group C)(AWG)	22~4
Rated voltage (Group C)(V)	600
Rated current (Group C)(A)	85

## CUL Recognized

Wire Range (Group B)(AWG)	22~4
Rated voltage (Group B)(V)	600
Rated current (Group B)(A)	85
Wire Range (Group C)(AWG)	22~4
Rated voltage (Group C)(V)	600
Rated current (Group C)(A)	85

## Drawings

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## Approvals

