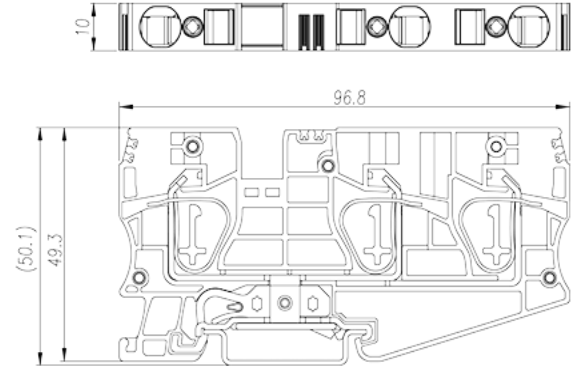
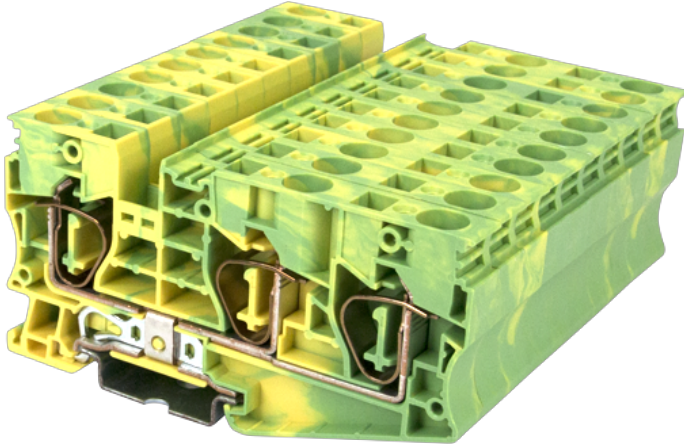


# AK10-TN-PE

DIN Rail Terminal Blocks > Spring Clamp Connection

Date:2025-08-09Version: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

Green-Yellow (default)

## General information

Short description	DIN Rail terminal blocks, Grounding terminal blocks
Category	Grounding terminal blocks
Color	Green-Yellow (default)
Connection method	Spring Clamp Connection
Type of locking	Rail Mounting
Length (mm)	96.8
Width (mm)	10
Height (mm)	49.3
Level	Single level
Connection points	3

## Material information

Insulation material	PA
Insulation material group	I
Flame retardant rating , compliant with UL94	V0

Insulation resistance

 $\geq 500\text{M}\Omega$  at DC 500V

## Connection data-IEC

Rated voltage (V)	800
Rated voltage (III/3)(V)	800
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> )	1.5
Conductor cross section solid.max (mm <sup>2</sup> )	16
Conductor cross section stranded. min (mm <sup>2</sup> )	1.5
Conductor cross section stranded. max (mm <sup>2</sup> )	10
Conductor cross section flexible, with min ferrule without plastic sleeve (mm <sup>2</sup> )	1.5
Conductor cross section flexible, with max ferrule without plastic sleeve (mm <sup>2</sup> )	10
Conductor cross section flexible, with min ferrule with plastic sleeve (mm <sup>2</sup> )	1.5
Conductor cross section flexible, with max ferrule with plastic sleeve (mm <sup>2</sup> )	10
2 conductors with same cross section flexible, min twin ferrules with plastic sleeve (mm <sup>2</sup> )	1.5
2 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm <sup>2</sup> )	2.5
Slotted screwdriver size (Blade thickness x Width)(mm)	1.0x5.5
Stripping Length (mm)	18
Mounting rail	TS-35
End cover plate required	YES
Grounding connections	YES

## Connection data-UL

Rated voltage (UL/CUL Group B)(V)	600
Rated voltage (UL/CUL Group C)(V)	600
Min. solid wire connection (AWG) acc. to UL/CUL	24
Max. solid wire connection AWG acc. to UL/CUL	6
Min. stranded wire connection AWG acc. to UL/CUL	24
Max. stranded wire connection AWG acc. to UL/CUL	6

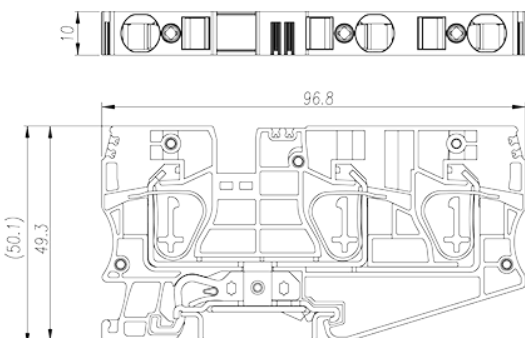
## Environment & Safety

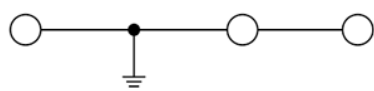
Back of the hand protection (YES or NO)	YES
Finger protection (YES or NO)	YES
Operating temperature. max (°C)	120
Operating temperature. min (°C)	-40

## VDE Approval

Wire Range (mm²)	1.5~10
Rated voltage (V)	800

## Drawings





circuit diagram

## Approvals

