

## PK 100

10001.1

PK 100/5/2V 2P PCB TERM VERT GREEN



- Supports conductor ranges between 0.14–2.5 mm<sup>2</sup>
- Current up to 10 A at voltages between 250 V and 630 V
- high insulation resistance

### PRODUCT DESCRIPTION

These CONTA-CLIP PK 100 connectors are wire-to-PCB interfaces featuring a “wire-protection” design that secures conductors without stress or damage. They come in multiple pin-pitch options and support a rated current of up to 32 A and voltage ratings from 130 V to 750 V. Designed for 2–24 pole configurations and a conductor cross-section up to 4 mm<sup>2</sup>, they handle standard copper wire sizes efficiently. Choices of axis orientation, 0°/180° (horizontal), 45°/135° (diagonal up), or 90° (vertical), offer flexibility for varied PCB layouts. The products are available in a range of colours (blue, dark grey, green, red) to allow easy circuit identification and adherence to wiring standards.

PK 100 connectors are ideal for use in industrial control panels, power distribution modules, machine automation, and on-board vehicle electronics where secure, tool-free wire connections are required. The wire-protection mechanism clamps conductors firmly while avoiding insulation nicking, reducing the risk of shorts. The horizontal and angled variants ease routing in tight control panel assemblies, while their high current/voltage ratings make them suitable for switching circuits, sensor buses, motor control interfaces, and power feeders. Their modular nature simplifies panel wiring expansions and maintenance, enhancing safety and reliability across various installations.

## TECHNICAL DATA

### GENERAL DATA

Type	PCB terminal
Pitch	5 mm
Colour	Green
Number of poles	2
Approvals	UL, cUL, VDE

### RATINGS

Rated current	24 A
Rated voltage	250 V
Rated cross section	2.5 mm <sup>2</sup>
Rated impulse voltage	2 kV
Overvoltage category	III
Contamination degree	3

### DIMENSIONS

Length	9 mm
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Width	10.7 mm
Height	12.5 mm
Width left	3.2 mm
Width right	2.5 mm
Drillhole diameter	1.3 mm
Diameter of the connection pin	1 mm
Length of pin	4.5 mm

## CONNECTION DATA

Connector type/principle	Wire protection
Number of levels	1
Angle of PCB/wire connection	0°/180° (horizontal)
Type of attachment to PCB	Connecting contact
Electrical connection type to PCB	Solder
Cross section single wire from	0.2 mm <sup>2</sup>
Cross section single wire to	2.5 mm <sup>2</sup>
Cross section stranded wire from	0.2 mm <sup>2</sup>
Cross section stranded with ferrule to	2.5 mm <sup>2</sup>
Cross section stranded wire to	2.5 mm <sup>2</sup>
Cross section stranded with ferrule from	0.2 mm <sup>2</sup>
Rated wire cross section to (AWG)	12
Rated wire cross section from (AWG)	22
Stripping length	7 mm
Screw size	M 3
Torque	0.5

## MATERIALS

Housing material	Polyamide 6.6
Flammability class	UL94-V0
Operating temperature from	-30 °C
Operating temperature to	105 °C
Screw material	Steel
Clamp material	Brass
Wire protection	Stainless steel

## APPROVALS

UL test standard	UL 1059
Rated voltage UL	300 V
Rated current UL	20 A
cUL test standard	CSA 22.2 No.158
Rated voltage cUL	300 V
Rated current cUL	20 A
VDE test standard	DIN EN 60998
Rated voltage VDE	250 V
Rated current VDE	24 A

Recommended wave solder duration max	4 s
Recommended wave solder duration min	3 s
Recommended wave soldering temperature	265 °C
Tariff code	85369010
Pack size	50
Weight	2.3 g
Connection cycles acc. to standard	5
Country of origin	QU
Current creepage resistance	CTI 600
Glow wire flammability index (GWFI)	GWFI 850
Glow wire ignition temperature (GWIT)	GWIT 775
GWFI after-glow time	30 s
GWIT exposure time	5 s
Insulation resistance	1*10 <sup>13</sup> Ω x cm



