

PK 120

10121.1

PK 120/2/5,08-V GN

- 5.08 mm pitch
- Suits conductors up to 2.5 mm²
- Impulse voltages up to 2 kV
- UL 94 V-0 flammability standard



PRODUCT DESCRIPTION

The PK 120 series from Conta-Clip is a line of vertical, solder-type PCB terminal blocks designed for secure and efficient wire-to-board connections in demanding industrial environments. With a 5.08 mm pitch, wire-protection screw connections, and vertical wire entry, the PK 120 ensures reliable contact while optimising space on the circuit board. The terminals support conductors up to 2.5 mm², carry currents of up to 24 A at 250 V, and feature solder pins (1 mm in diameter, 3.8 mm length) for stable mounting. Engineered for durability, the blocks offer high insulation resistance, withstand impulse voltages up to 2 kV, and maintain performance across a wide temperature range from -40 °C to +105 °C, all while meeting the UL 94 V-0 flammability standard.

These properties make the PK 120 particularly suitable for industrial automation, control systems, and energy distribution modules where reliable, vibration-resistant connections are essential. Their robust screw clamp design ensures safe conductor fastening without damage, simplifying installation and maintenance in the field. With a compact footprint and resilience against harsh conditions, the PK 120 terminal blocks are widely applied in control panels, building automation, and transport systems, offering engineers a dependable and space-efficient solution for long-term, safety-critical PCB interconnections.

TECHNICAL DATA

GENERAL DATA

Type	PCB terminal
Pitch	5.08 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 ²
Rated impulse voltage	2 kV
Overvoltage category	III
Contamination degree	3

DIMENSIONS

Length	13 mm
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Width	10.86 mm
Height	9 mm
Width left	3.24 mm
Width right	2.54 mm
Drillhole diameter	1.3 mm
Diameter of the connection pin	1 mm
Length of pin	4 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 ²
Cross section single wire to	2.5 mm ²
Cross section stranded wire from	0.2 mm ²
Cross section stranded with ferrule to	2.5 mm ²
Cross section stranded wire to	2.5 mm ²
Cross section stranded with ferrule from	0.2 mm ²
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 ¹³ Ω x cm



