

PK 350

10357.1

PK 350/5/2V 2P PCB VERT RC

- Multiple pole configurations
- 250 V on tighter pitches to as high as 1,000 V on wider models
- Impulse voltage ratings up to 3.5 kV,



PRODUCT DESCRIPTION

The PK 350 series from Conta-Clip is a robust range of screw-connection PCB terminal blocks designed for secure and efficient horizontal wire-to-board connections. Offered in multiple pole configurations and pitches, such as 5.0 mm, 5.08 mm, and 10.16 mm, the series supports rated currents up to 17.5 A and operating voltages from 250 V on tighter pitches to as high as 1,000 V on wider models. The blocks provide excellent electrical reliability with an insulation resistance of $1 \times 10^{13} \Omega \cdot \text{cm}$, impulse voltage ratings up to 3.5 kV, and compliance with pollution degree 3 and overvoltage category III. Each unit features an M3 screw with 0.5 Nm torque, a 6 mm stripping length, and solid solder pins (1 mm \times 3.5 mm) for reliable PCB mounting. Constructed with flame-retardant polyamide 6.6 (UL 94 V-0), they withstand demanding conditions, including soldering processes and operating temperatures from -30°C to $+105^\circ\text{C}$.

Practical applications of the PK 350 series span across industrial automation, control electronics, and power distribution systems, where reliable, vibration-resistant connections are vital. Their horizontal, feed-through design makes them especially useful for compact control boards, interface modules, and equipment requiring frequent wiring changes or maintenance. With international certifications including UL, cUL, and VDE, the PK 350 is trusted for global use in building control systems, instrumentation, and automation panels, where both safety and durability are non-negotiable. Combining high current capacity, space efficiency, and rugged construction, the PK 350 offers engineers a dependable PCB terminal solution for long-term, safety-critical installations.

TECHNICAL DATA

GENERAL DATA

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

RATINGS

Rated current	17.5 A
Rated voltage	250 V
Rated cross section	1.5 mm ²
Rated impulse voltage	2 kV
Overvoltage category	III
Contamination degree	3

DIMENSIONS

Length	9 mm
Width	10.6 mm
Height	13.5 mm
Width left	3.1 mm
Width right	2.5 mm
Drillhole diameter	1.3 mm
Diameter of the connection pin	1 mm
Length of pin	3.5 mm

CONNECTION DATA

Connector type/principle	Screw
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	0.14 mm²
Cross section single wire to	2.5 mm²
Cross section stranded wire from	0.14 mm²
Cross section stranded with ferrule to	1.5 mm²
Cross section stranded wire to	1.5 mm²
Cross section stranded with ferrule from	0.25 mm²
Rated wire cross section to (AWG)	12
Rated wire cross section from (AWG)	22
Stripping length	6 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
Solder lug	Brass
Screw material	Steel

Clamp material	Brass
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APPROVALS

UL test standard	UL 1059
Rated voltage UL	300 V
Rated current UL	16 A
cUL test standard	C22.2 No 158
Rated voltage cUL	300 V
Rated current cUL	16 A
VDE test standard	DIN EN 60998
Rated voltage VDE	250 V
Rated current VDE	17.5 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	2.4 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

