

PKZ 602

12878.1

PKZ602/3.81/2V 2P PCB TERM VRT

- 3.81 mm Pitch
- 13.5 A at 130 V
- 1.25 kV Impulse voltage rating
- Flame-retardant polyamide



PRODUCT DESCRIPTION

The PKZ 602 from Conta-Clip is a compact, screw-connection PCB terminal block designed for reliable and space-efficient wire-to-board connections. With a 3.81 mm pitch and availability in multiple pole configurations, such as 14-pole versions, it supports conductors up to 1 mm² and is rated for 13.5 A at 130 V. Electrical resilience is reinforced with an insulation resistance of $1 \times 10^{13} \Omega \cdot \text{cm}$, an impulse voltage rating of 1.25 kV, and compliance with overvoltage category III and pollution degree 3. Mechanically, it features a 0.88 mm solder pin, M2 screw terminals, a 0.2 Nm torque rating, and requires a 5 mm stripping length. Built from flame-retardant polyamide 6.6 (UL 94 V-0), the PKZ 602 offers reliable thermal stability from -30 °C to +105 °C, while maintaining high tracking resistance and glow-wire compliance for safety in demanding applications.

Thanks to its compact size and robust screw-clamp design, the PKZ 602 is widely used in industrial control modules, automation equipment, and PCB-based junction systems where vibration-resistant and secure terminations are critical. Its UL and cUL approvals (up to 300 V, 10 A) alongside VDE certification (up to 130 V, 13.5 A) ensure compliance with international standards, making it a dependable choice across global markets. Practical uses include wiring for sensors, signal distribution, and low-power control circuits, where both safety and long-term reliability are essential. This combination of electrical performance, certification, and durability makes the PKZ 602 a versatile solution for engineers seeking a high-quality, space-saving PCB connection system.

TECHNICAL DATA

GENERAL DATA

Type	PCB terminal
Pitch	3.81 mm
Colour	Green
Number of poles	2
Approvals	UL, cUL, VDE

RATINGS

Rated current	13.5 A
Rated voltage	130 V
Rated cross section	1 mm ²
Rated impulse voltage	1.25 kV
Overvoltage category	III
Contamination degree	3

DIMENSIONS

Length	7.3 mm
Width	7.62 mm
Height	10 mm
Width left	1.905 mm
Width right	1.905 mm
Drillhole diameter	1.1 mm
Diameter of the connection pin	0.88 mm
Length of pin	3.26 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 mm ²
Cross section single wire to	1.5 mm ²
Cross section stranded wire from	0.14 mm ²
Cross section stranded with ferrule to	0.5 mm ²
Cross section stranded wire to	1 mm ²
Cross section stranded with ferrule from	0.25 mm ²
Rated wire cross section to (AWG)	16
Rated wire cross section from (AWG)	30
Stripping length	5 mm
Screw size	M 2
Torque	0.2

MATERIALS

Housing material	Polyamide 6.6
Flammability class	UL94-V0
Operating temperature from	-30 °C
Operating temperature to	105 °C
Solder lug	Copper alloy
Screw material	Bronze
Clamp material	Brass

APPROVALS

UL test standard	UL 1059
Rated voltage UL	300 V
Rated current UL	10 A
cUL test standard	C22.2 No 158
Rated voltage cUL	300 V
Rated current cUL	10 A
VDE test standard	DIN EN 60998
Rated voltage VDE	130 V
Rated current VDE	13.5 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	1.2 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



