

PKT 2200

10546.1

PKT 2200/5/2V 2P PCB TERM VERT

- Fixed-PCB terminals
- Voltages ranging from 250 V up to 1000 V
- Horizontal and vertical cable entry

**PRODUCT DESCRIPTION**

The PKT 2200 series are through-hole, fixed PCB terminal blocks featuring an eccentric-top screw design that allows a compact pitch of 5 mm (also available in 7.5 mm and 10 mm), with rated voltages ranging from 250 V up to 1000 V. They support 2–24 poles and offer horizontal (0°/180°) or vertical (90° upwards) cable entry, giving flexibility in PCB layout and harness routing. The eccentric top mechanism means that tightening the screw also ensures reliable wire clamping from above, reducing risk of wire insulation damage, and meeting stringent wire protection standards on industrial PCBs. These connectors are part of the fixed-PCB category, meaning neither plug-in nor DIN-rail styles, they mount securely to the board for fixed installations.

The PKT 2200 family excels in control-panel and industrial automation equipment where space is limited, and reliability is critical. Their high voltage ratings and multiple pole options make them ideal for power distribution, signal routing, or interfacing with field devices. The choice of cable entry angle, horizontal for straight-through routing or vertical for upward cable harness breakout, adds installation versatility, while the compact 5 mm pitch saves valuable PCB real estate. Engineers designing power supplies, motor-control boards, sensor arrays, or distributed I/O modules will find these connectors especially useful when they need rugged, service-friendly wiring that can withstand vibration and repetitive screw-torque maintenance without compromise.

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 ²
Rated impulse voltage	2 kV
Overvoltage category	III
Contamination degree	3

DIMENSIONS

Length	18.5 mm
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Width	12.5 mm
Height	19.5 mm
Width left	2.8 mm
Width right	4.7 mm
Drillhole diameter	1.3 mm
Diameter of the connection pin	0.8 mm
Length of pin	3.5 mm

CONNECTION DATA

Connector type/principle	Eccentric cam
Number of levels	1
Angle of PCB/wire connection	90° (vertically upwards)
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	4 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	0.25 mm ²
Rated wire cross section to (AWG)	12
Rated wire cross section from (AWG)	30
Stripping length	9 mm
Screw size	M 2,5
Torque	0.5

MATERIALS

Housing material	Polyamide 6.6
Flammability class	UL94-V0
Operating temperature from	-30 °C
Operating temperature to	105 °C
Eccentric cam	Steel
Clamping cage material	Steel
Solder lug	Copper alloy
Screw material	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	7.6 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



