

PKDZ 770

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PKDZ 770/2/5,08-V GN

- Conductor sizes up to 4 mm² (rigid) or 2.5 mm² (with ferrules)
- Impulse voltages of 2 kV
- Flame-retardant polyamide 6.6
- 22 A at 250 V



PRODUCT DESCRIPTION

The PKDZ 770 series from Conta-Clip is a three-level screw-connection PCB terminal block designed for high-density wiring in compact spaces. With a 5.08 mm pitch, the series supports conductor sizes up to 4 mm² (rigid) or 2.5 mm² (with ferrules) and carries up to 22 A at 250 V, withstanding impulse voltages of 2 kV. Its robust design features M3 screws with 0.5 Nm torque, an 8 mm stripping length, and a 1.3 mm drill hole for secure solder pin placement. Built from flame-retardant polyamide 6.6 (UL 94 V-0) with brass clamps and copper alloy solder lugs, the PKDZ 770 ensures long-term durability, high insulation resistance, and compliance with stringent standards for overvoltage category III and pollution degree 3. Designed to withstand -30 °C to +105 °C, wave soldering, and glow-wire tests, it is optimised for both reliability and manufacturing efficiency.

The PKDZ 770 is ideal for industrial control systems, automation equipment, and power distribution modules where compact, multi-level connections are needed. Its triple-tier layout significantly increases wiring capacity without increasing the PCB footprint, making it especially useful in space-constrained assemblies. Backed by UL, cUL, and VDE certifications, the series guarantees safe and standardised performance across global markets. With its combination of high current capacity, robust materials, and vibration-resistant screw connections, the PKDZ 770 provides engineers with a dependable, space-saving solution for dense and demanding PCB interconnections.

TECHNICAL DATA

GENERAL DATA

Type	Three-level PCB terminal
Pitch	5.08 mm
Colour	Green
Number of poles	2
Number of connections	6
Approvals	UL, cUL, VDE

RATINGS

Rated current	22 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	33.3 mm
Width	12.7 mm
Height	44.8 mm
Width left	5.08 mm
Width right	2.54 mm
Drillhole diameter	1.3 mm
Diameter of the connection pin	0.9 mm
Length of pin	5 mm

CONNECTION DATA

Connector type/principle	Screw
Number of levels	3
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 mm²
Cross section single wire to	4 mm²
Cross section stranded wire from	0.2 mm²
Cross section stranded with ferrule to	2.5 mm²
Cross section stranded wire to	2.5 mm²
Cross section stranded with ferrule from	0.25 mm²
Rated wire cross section to (AWG)	12
Rated wire cross section from (AWG)	30
Stripping length	8 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	Copper alloy
Screw material	Steel

Clamp material	Brass
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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	22 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	15.9 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

