

PKDR 2,5

5204.3

PKDR 2,5/4/5,00 OG

- 13 A at 250 V
- Flame-retardant polyamide 6.6 housing
- 5.00 mm pitch



PRODUCT DESCRIPTION

The PKDR 2,5 series from Conta-Clip is a double-level PCB terminal block system designed to maximise wiring density while ensuring safe and reliable connections. With a 5.00 mm pitch, these terminals accept conductors up to 2.5 mm² (AWG 14), support currents of 13 A at 250 V, and provide an impulse voltage resistance of 4 kV, meeting the requirements of overvoltage category III and pollution degree 3. Each terminal uses a 1 mm solder pin for PCB mounting, paired with M2.5 screws tightened to 0.6 Nm, and requires a 7 mm stripping length for conductors, offering a secure and vibration-resistant connection. Built from flame-retardant polyamide 6.6 (UL 94 V-2) with steel and copper contact materials, the PKDR 2,5 is engineered for durability, heat resistance, and compatibility with wave soldering processes, making it well-suited to modern assembly methods.

The PKDR 2,5 provides a compact, high-density solution for PCB-based control systems, automation equipment, and interface modules where board space is limited but reliable terminations are critical. Its double-level design doubles connection capacity without enlarging the PCB footprint, making it ideal for industrial control cabinets, signal distribution, and sensor wiring arrays. Certifications including CSA and UL approvals expand its suitability for global applications, while features such as high creepage resistance, glow-wire compliance, and operation across -30 °C to +105 °C ensure long-term performance even in demanding environments. As a result, the PKDR 2,5 is a practical choice for engineers seeking robust, space-efficient, and standards-compliant terminal blocks for dense and durable PCB interconnections.

TECHNICAL DATA

GENERAL DATA

Type	Double-level PCB terminal
Pitch	5 mm
Colour	Orange
Number of poles	4
Approvals	CSA

RATINGS

Rated current	13 A
Rated voltage	250 V
Rated cross section	2.5 mm ²
Rated impulse voltage	4 kV
Overvoltage category	III
Contamination degree	3

DIMENSIONS

Width	17.5 mm
Height	35.5 mm
Width left	2.5 mm
Width right	5 mm
Drillhole diameter	1.3 mm
Diameter of the connection pin	1 mm

CONNECTION DATA

Connector type/principle	Screw
Number of levels	2
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	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	0.2 mm ²
Rated wire cross section to (AWG)	14
Rated wire cross section from (AWG)	24
Stripping length	7 mm
Screw size	M 2,5
Torque	0.6

MATERIALS

Housing material	Polyamide 6.6
Flammability class	UL94-V2
Operating temperature from	-30 °C
Operating temperature to	105 °C
Solder lug	Copper
Screw material	Steel
Clamp material	Steel

APPROVALS

CSA test standard	CSA 22.2 No.158
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Rated voltage CSA	300
Rated current CSA	20 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	9.6 g
Country of origin	DE
Current creepage resistance	CTI 600
Glow wire flammability index (GWFI)	GWFI 960
Glow wire ignition temperature (GWIT)	GWIT 775
GWFI after-glow time	30 s
GWIT exposure time	5 s
Insulation resistance	1*10 ¹² Ω x cm



