

PKDL 2,5

5204.1

PKDL 2,5/4/5,00 GN

- Rated currents around 24 A
- Voltages up to 300 V
- Conductor cross sections up to 2.5 mm²
- Colour coding for circuit identification



PRODUCT DESCRIPTION

These CONTA-CLIP PKDL-2.5 connectors are compact, PCB-mounted clamping-yoke terminals designed to accommodate conductor cross-sections up to 2.5 mm² with rated currents around 24 A and voltages up to 300 V. The series employs a spring-clamp (yoke) mechanism, closed via a screwdriver or dedicated tool, that secures solid or ferruled wires firmly without damaging insulation. They're available in multiple pole counts (typically 2 to 12) and offer 5.08 mm nominal pitch, allowing for high-density mounting while ensuring reliable electrical contact across operating temperatures from -40 °C to +105 °C. Color-coding options (green, blue, grey) streamline PCB layout organisation and circuit identification.

PKDL-2.5 terminals are ideal for industrial control boards, power supplies, motor controllers, building automation, and instrumentation panels, where secure, maintenance-free connection of field wiring is required. Their compact footprint and spring-clamp design enable tool-free wire insertion during assembly, speeding up wiring tasks and reducing wiring faults. They're particularly useful in vibration-prone environments, where spring connections maintain consistent contact pressure over time. Modular PCB rows can be linked side-by-side for multi-circuit connections, simplifying prototyping, assembly, and servicing, ensuring a robust, cost-effective solution for up to 24 A industrial signal and power distribution.

TECHNICAL DATA

GENERAL DATA

Type	Double-level PCB terminal
Pitch	5 mm
Colour	Green
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
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



