

PKB 960

11253.1

PKB 960/7.62/2 2P PLUG TERMINAL

- 2 to 16 Poles
- Impulse voltage resistance of 6 kV
- Flame-retardant polyamide 6.6
- 7.62 mm Pitch

**PRODUCT DESCRIPTION**

The PKB 960 series from Conta-Clip is a versatile range of female socket terminal blocks designed for secure and reliable wire-to-board connections using a screw connection system. With a 7.62 mm pitch, these terminal blocks are available in configurations ranging from 2 to 16 poles, accommodating conductor cross-sections from 0.2 mm² to 4 mm² for rigid wires and up to 2.5 mm² for wires with ferrules. The terminals are rated for a maximum current of 12 A and a voltage of 400 V, with an impulse voltage resistance of 6 kV, making them suitable for applications requiring high electrical performance. They feature M3 screws with a 6 mm stripping length, ensuring secure and vibration-resistant terminations. Constructed from flame-retardant polyamide 6.6 (UL 94 V-0), these terminal blocks offer durability and compliance with international safety standards.

The PKB 960 series is ideal for use in industrial control systems, automation equipment, and power distribution modules, where space-saving and reliable connections are essential. The 0°/180° horizontal wire connection/contact angle facilitates easy integration into compact PCBs and enclosures. The screw connection system ensures secure and maintenance-friendly wiring, while the robust construction withstands demanding environments. With certifications including UL 1059, CSA 22.2 No.158, and VDE, the PKB 960 series meets international safety standards, making it suitable for global applications. Whether for new designs or retrofitting existing systems, these terminal blocks provide engineers with a dependable solution for dense and durable PCB interconnections.

TECHNICAL DATA**GENERAL DATA**

Type	Plug-in connector
Pitch	7.62 mm
Colour	Green
Number of poles	2
Approvals	UL, cUL, VDE

RATINGS

Rated current	12 A
Rated voltage	400 V
Rated cross section	2.5 mm ²
Rated impulse voltage	6 kV
Overvoltage category	III
Contamination degree	3

DIMENSIONS

Length	15 mm
Width	13.24 mm
Height	17.3 mm
Width left	2.81 mm
Width right	2.81 mm

CONNECTION DATA

Connector type/principle	Screw
Contact version	Female connector
Connector version	Pluggable
Number of plugin rows	1
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)	22
Stripping length	6 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
Contact spring	Bronze
Screw material	Steel
Clamp material	Brass

APPROVALS

UL test standard	UL 1059
Rated voltage UL	300 V

Rated current UL	15 A
cUL test standard	CSA 22.2 No.158
Rated voltage cUL	300 V
Rated current cUL	15 A
VDE test standard	DIN EN 61984
Rated voltage VDE	400 V
Rated current VDE	12 A

Plug-in cycles acc. to standard	100
Tariff code	85366990
Pack size	50
Weight	3.5 g
Angle of wire connection/contact	0°/180° (horizontal)
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	$1 \cdot 10^{13} \Omega \times \text{cm}$



