

**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 mm<sup>2</sup> to 4 mm<sup>2</sup> for rigid wires and up to 2.5 mm<sup>2</sup> 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 <sup>2</sup>
Rated impulse voltage	6 kV
Overvoltage category	III

Contamination degree	3
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## 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 <sup>2</sup>
Cross section single wire to	4 mm <sup>2</sup>
Cross section stranded wire from	0.2 mm <sup>2</sup>
Cross section stranded with ferrule to	2.5 mm <sup>2</sup>
Cross section stranded wire to	2.5 mm <sup>2</sup>
Cross section stranded with ferrule from	0.25 mm <sup>2</sup>
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

<b>UL test standard</b>	UL 1059
<b>Rated voltage UL</b>	300 V
<b>Rated current UL</b>	15 A
<b>cUL test standard</b>	CSA 22.2 No.158
<b>Rated voltage cUL</b>	300 V
<b>Rated current cUL</b>	15 A
<b>VDE test standard</b>	DIN EN 61984
<b>Rated voltage VDE</b>	400 V
<b>Rated current VDE</b>	12 A
<b>Plug-in cycles acc. to standard</b>	100
<b>Tariff code</b>	85366990
<b>Pack size</b>	50
<b>Weight</b>	3.5 g
<b>Angle of wire connection/contact</b>	0°/180° (horizontal)
<b>Connection cycles acc. to standard</b>	5
<b>Country of origin</b>	QU
<b>Current creepage resistance</b>	CTI 600
<b>Glow wire flammability index (GWFI)</b>	GWFI 850
<b>Glow wire ignition temperature (GWIT)</b>	GWIT 775
<b>GWFI after-glow time</b>	30 s
<b>GWIT exposure time</b>	5 s
<b>Insulation resistance</b>	$1 \cdot 10^{13} \Omega \times \text{cm}$



