

PKB 1550, 1551, 1552

11377.1

PKB 1550/3.5/2 2P PLUG TERMINAL

- Push In Connection
- Multiple Conductor Options
- 0.2 mm² to 2.5 mm² Wire Cross Sections
- Up to 500 V and 24 A



PRODUCT DESCRIPTION

The PKB 1550, 1551, and 1552 from Conta-Clip are compact yet robust pluggable terminal blocks designed for efficient signal and power transmission in control cabinets and industrial automation systems. These models are part of Conta-Clip's PKB series, characterised by their push-in connection technology, which allows for quick and secure wire insertion without the need for tools. The PKB 1550 is a 2-conductor terminal block, while the PKB 1551 and PKB 1552 offer 3-conductor and 4-conductor configurations respectively, allowing for versatile wiring schemes in tight panel spaces. Each terminal block supports a cross-section range typically from 0.2 mm² to 2.5 mm² and is rated for up to 500 V and 24 A, depending on the conductor size. The terminal housings are made from flame-retardant polyamide 6.6 and comply with UL 94 V-0 standards, ensuring high safety under demanding conditions.

These terminal blocks are especially suited for control and distribution panels in industries such as machinery manufacturing, process automation, and energy management. Their modular design allows for easy integration into DIN rail-mounted systems, enabling flexible configurations and future expansions. Thanks to their pluggable design, PKB 1550–1552 terminal blocks facilitate fast maintenance and error-free wiring, significantly reducing downtime in service operations. The clear marking options and availability of standardized accessories, such as end covers and cross-connectors, enhance operational clarity and simplify circuit management. Whether used for signal routing, sensor wiring, or power distribution, these terminal blocks offer a reliable and scalable solution for modern electrical installations.

TECHNICAL DATA

GENERAL DATA

Type	Plug-in connector
Pitch	3.5 mm
Colour	Green
Number of poles	2
Approvals	UL, cUL, VDE

RATINGS

Rated current	8 A
Rated voltage	160 V
Rated cross section	1.5 mm ²
Rated impulse voltage	2.5 kV
Overvoltage category	III
Contamination degree	3

DIMENSIONS

Length	11.1 mm
Width	7 mm
Height	15.5 mm
Width left	1.75 mm
Width right	1.75 mm

CONNECTION DATA

Connector type/principle	Screw
Contact version	Female connector
Connector version	Pluggable
Number of plugin rows	1
Cross section single wire from	0.14 mm ²
Cross section single wire to	1.5 mm ²
Cross section stranded wire from	0.14 mm ²
Cross section stranded with ferrule to	1 mm ²
Cross section stranded wire to	1.5 mm ²
Cross section stranded with ferrule from	0.25 mm ²
Rated wire cross section to (AWG)	16
Rated wire cross section from (AWG)	28
Stripping length	7 mm
Screw size	M 2
Torque	0.25

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	Bronze
Clamp material	Brass

APPROVALS

UL test standard	UL 1059
Rated voltage UL	300 V

Rated current UL	8 A
cUL test standard	CSA 22.2 No.158
Rated voltage cUL	300 V
Rated current cUL	8 A
VDE test standard	DIN EN 61984
Rated voltage VDE	160 V
Rated current VDE	8 A

Plug-in cycles acc. to standard	100
Tariff code	85366990
Pack size	50
Weight	1.5 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	$1 \cdot 10^{13} \Omega \times \text{cm}$



