

PBT 1200

11354.1

PBT 1200/2/5,08, 2 pole Plug-in PCB Connector

- 5.08 mm Pitch
- Female socket terminal block
- Conductor cross-sections ranging from 0.2 mm² to 4 mm²
- Impulse voltages of 4 kV



PRODUCT DESCRIPTION

The PBT 1200 series from Conta-Clip comprises pluggable, eccentric-cam female socket terminal blocks with a 5.08 mm pitch, available in a variety of pole counts. These connectors are designed for horizontal wire entry (0°/180°), using M2.5 screws tightened to 0.5 Nm, with a recommended stripping length of 10 mm. They accommodate conductor cross-sections ranging from 0.2 mm² to 4 mm² for solid wires and up to 2.5 mm² when using ferrules. PBT 1200 blocks carry up to 12 A at 250 V, tolerate impulse voltages of 4 kV, and conform to overvoltage category III and pollution degree 3 specifications. With high insulation resistance ($\sim 1 \times 10^{13} \Omega \cdot \text{cm}$) and CTI of 600, they ensure excellent performance in harsh conditions.

The PBT 1200 is ideal for systems needing modular, service-friendly PCB connections, such as in industrial control panels, automated machinery, and power distribution systems. The plug-in design allows rapid assembly and disassembly, simplifying maintenance and reducing downtime. Its solid electrical ratings and rugged build, polyamide 6.6 housing (UL 94 V-0), steel and bronze contacts, wave solder and glow-wire compliance, make it reliable in vibration-prone or high-stress environments. With global certifications from UL, cUL, and VDE, the PBT 1200 supports safe and consistent installations across international markets.

TECHNICAL DATA

GENERAL DATA

Type	Plug-in connector
Pitch	5.08 mm
Colour	Green
Number of poles	2
Approvals	UL, cUL, VDE

RATINGS

Rated current	12 A
Rated voltage	250 V
Rated cross section	2.5 mm ²
Rated impulse voltage	4 kV
Overvoltage category	III
Contamination degree	3

DIMENSIONS

Length	15 mm
Width	10.16 mm
Height	27.5 mm
Width left	2.54 mm
Width right	2.54 mm

CONNECTION DATA

Connector type/principle	Eccentric cam
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	10 mm
Screw size	M 2,5
Torque	0.5

MATERIALS

Housing material	Polyamide 6.6
Flammability class	UL94-V0
Operating temperature from	-30 °C
Operating temperature to	105 °C
Eccentric cam	Steel
Clamping cage material	Steel
Contact spring	Bronze
Screw material	Steel

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	250 V
Rated current VDE	12 A

Plug-in cycles acc. to standard	100
Tariff code	85366990
Pack size	50
Weight	6.2 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*10 ¹³ Ω x cm



