

PKBZ 950/955

30142.1

PKBZ 950/2/5,08-HC GN

- 2 to 24 Poles
- Impulse Voltage Resistance
- Fast replacement or maintenance
- Screw-terminal



PRODUCT DESCRIPTION

The PKBZ 950 series comprises screw-connection female socket blocks with a 5.08 mm pitch, available in pole counts from 2 up to 24, each variant in green colour coding and width scaling accordingly. These terminals feature polyamide 6.6 housings (UL 94 V-0 flame-rated), brass/steel screw clamps, and PCB pins with standard drill hole diameters. They are designed to mate with the complementary PKB 950 male pin headers. Rated current is typically 6 A at up to 250 V, with impulse voltage resistance suited for overvoltage category III environments; insulation resistance, CTI, glow-wire rating, cycle life, and approvals align with CONTA-CLIP's high safety standards.

The PKBZ 950/955 series is ideal for modular PCB-mounted connection panels, such as relay bases, interface boards, and plug-in terminal assemblies in industrial automation, building technology, or power distribution systems. Paired with PKB male headers, they enable secure, pluggable wiring that facilitates fast replacement or maintenance. The PKBZ 955 variants (similar pitch of ~5.00 mm) offer extended pole counts (up to 22+ poles), making them well-suited for larger multi-signal or power connector configurations where a high density of channel connections is required. The screw-terminal design supports reliable wiring up to AWG 16–14, while the standardised pitch ensures compatibility with wave-soldering production lines and standard connector layout systems, giving designers flexibility and durability in harsh industrial or control-cabinet environments.

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	16 A
Rated voltage	630 V
Rated cross section	2.5 mm ²
Rated impulse voltage	6 kV
Overvoltage category	III
Contamination degree	3

DIMENSIONS

Length	15 mm
Width	10.16 mm
Height	17.3 mm
Width left	2.54 mm
Width right	2.54 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	Copper alloy
Screw material	Steel
Clamp material	Brass

APPROVALS

UL test standard	UL 1059
Rated voltage UL	300 V
Rated current UL	16 A

cUL test standard	CSA 22.2 No.158
Rated voltage cUL	300 V
Rated current cUL	16 A
VDE test standard	DIN EN 61984
Rated voltage VDE	630 V
Rated current VDE	16 A

Plug-in cycles acc. to standard	100
Tariff code	85369010
Pack size	50
Weight	3.1 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	$1 \cdot 10^{13} \Omega \times \text{cm}$



