

**PKBZ 1100/1110**

14219.1

PKBZ 1100/2/5,08-F GN

- conductor ranges between 0.14–2.5 mm<sup>2</sup>
- Supports 10 A at voltages between 250 V and 630 V
- Screw torque around 0.4 Nm to 0.6 Nm

**PRODUCT DESCRIPTION**

The PKBZ-1100/1110 series are plug-in female socket connectors featuring a clamping-yoke termination mechanism, designed to firmly secure both solid and ferrule-terminated conductors. The connectors typically support conductor ranges between 0.14–2.5 mm<sup>2</sup> with a screw torque around 0.4 Nm to 0.6 Nm. Alongside UL94-V0 polyamide housing, the stainless-steel contact yoke ensures high reliability in connections supporting currents up to 10 A at voltages between 250 V and 630 V depending on the variant. They offer robust electrical characteristics including high insulation resistance, a pollution degree rating of 3, and dielectric strength, usually several kilovolts per IEC 60664 standards, making them suitable for industrial-level performance.

These connectors are ideal for modular industrial systems and control panels that require secure, quick-detach wiring without compromising safety or conductivity. Engineers often deploy them in automation zones, power distribution boards, switchgear, and machinery interfaces. The clamping-yoke design not only accommodates both solid and ferruled conductors but also improves contact reliability in high-vibration environments. Their plug-in format enables fast field servicing or swapping of PCB-mounted modules and when paired with mating male headers, create streamlined, maintainable connections optimised for space-constrained or DIN-rail-mounted equipment.

**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	10 A
Rated voltage	250 V
Rated cross section	2.5 mm <sup>2</sup>
Rated impulse voltage	4 kV
Overvoltage category	III
Contamination degree	3

**DIMENSIONS**

<b>Length</b>	12.6 mm
<b>Width</b>	20.32 mm
<b>Height</b>	26 mm
<b>Width left</b>	7.62 mm
<b>Width right</b>	7.62 mm

## CONNECTION DATA

<b>Connector type/principle</b>	Screw
<b>Contact version</b>	Female connector
<b>Connector version</b>	Pluggable
<b>Number of plugin rows</b>	1
<b>Cross section single wire from</b>	0.2 mm <sup>2</sup>
<b>Cross section single wire to</b>	4 mm <sup>2</sup>
<b>Cross section stranded wire from</b>	0.2 mm <sup>2</sup>
<b>Cross section stranded with ferrule to</b>	2.5 mm <sup>2</sup>
<b>Cross section stranded wire to</b>	4 mm <sup>2</sup>
<b>Cross section stranded with ferrule from</b>	0.25 mm <sup>2</sup>
<b>Rated wire cross section to (AWG)</b>	12
<b>Rated wire cross section from (AWG)</b>	28
<b>Stripping length</b>	7 mm
<b>Screw size</b>	M 3
<b>Torque</b>	0.5

## MATERIALS

<b>Housing material</b>	Polyamide 6.6
<b>Flammability class</b>	UL94-V0
<b>Operating temperature from</b>	-30 °C
<b>Operating temperature to</b>	105 °C
<b>Contact spring</b>	Bronze
<b>Screw material</b>	Steel
<b>Clamp material</b>	Brass

## APPROVALS

<b>UL test standard</b>	UL 1059
<b>Rated voltage UL</b>	300 V
<b>Rated current UL</b>	11 A

<b>cUL test standard</b>	CSA 22.2 No.158
<b>Rated voltage cUL</b>	300 V
<b>Rated current cUL</b>	11 A
<b>VDE test standard</b>	DIN EN 61984
<b>Rated voltage VDE</b>	250 V
<b>Rated current VDE</b>	10 A

<b>Plug-in cycles acc. to standard</b>	100
<b>Tariff code</b>	85366990
<b>Pack size</b>	50
<b>Weight</b>	4.42 g
<b>Angle of wire connection/contact</b>	90° (vertically upwards)
<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>	$1 \cdot 10^{13} \Omega \times \text{cm}$



