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PKB 130

11169.1
PKB 130/2/5,00 GN

- Multiple Pitch Sizes Available
- For voltages up to 630v on larger pitches
- High Compliance and varied operation temperature

PRODUCT DESCRIPTION

The PKB-130 series comprises wire-protection, plug-in PCB connectors available in multiple pitch sizes and pole counts (2–16), designed to secure conductors up to 2.5 mm² (AWG 14) and rated for currents from 7 A (for 5 mm variants at 250 V) up to 7 A and 630 V on larger pitches. These female contacts utilise a wire-protection clamping system that supports both solid and ferruled conductors, stripping length 6 mm, tightened via M2.6 screws torqued at 0.4 Nm. Compliance is robust, with UL 1059, CSA 22.2 No. 158, and VDE 61984 approvals; UL/cUL arguments permit 8 A at 300 V, VDE up to 7 A at 250 V. Additional technical strengths include impulse withstand up to 4 kV, pollution degree 3, CTI ≥600, UL94-V0 housing, and operating temperatures from –30 °C to +105 °C. PKB-130 connectors are ideal for modular control panels, industrial automation, power distribution, and any PCB-mounted interface requiring sturdy field-wire connections. Their plug-in design enables quick panel servicing and equipment swaps, while the green or dark-grey polyamide housings simplify identification and can be complemented by BL (“bootlace”) variants for insulated ferrule ends. Available in two-, three-, up to sixteen-pole configurations, and selectable in 5 mm vs. 10 mm pitch for higher voltage or increased creepage clearances, these connectors adapt to diverse system architectures and spacing requirements. With glowing-wire ratings (GWFI 850 °C) and high insulation resistance (1×10¹³ Ω·cm), they're well-suited for harsh industrial environments and meet stringent safety standards.

TECHNICAL DATA

GENERAL DATA

Type	Plug-in connector
Pitch	5 mm
Colour	Green
Number of poles	2
Approvals	UL, cUL, VDE

RATINGS

Rated current	7 A
Rated voltage	250 V
Rated cross section	1.5 mm²
Rated impulse voltage	4 kV
Overvoltage category	III
Contamination degree	3

DIMENSIONS

Length	10.8 mm
Width	10.7 mm
Height	13.5 mm
Width left	2.5 mm
Width right	3.2 mm

CONNECTION DATA

Connector type/principle	Wire protection
Contact version	Female connector
Connector version	Pluggable
Number of plugin rows	1
Cross section single wire from	0.14 mm²
Cross section single wire to	2.5 mm²
Cross section stranded wire from	0.14 mm²
Cross section stranded with ferrule to	1.5 mm²
Cross section stranded wire to	1.5 mm²
Cross section stranded with ferrule from	0.14 mm²
Rated wire cross section to (AWG)	14
Rated wire cross section from (AWG)	22
Stripping length	6 mm
Screw size	M 2,6
Torque	0.4

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	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	250 V
Rated current VDE	7 A

Plug-in cycles acc. to standard	100
Tariff code	85366990
Pack size	50
Weight	1.8 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