



TRANSITION CONNECTOR FOR BARE TO INSULATED LV LINES, P3B AND P2B TYPE

KEY FEATURES

- Range Taking
- Accept Al/Cu conductors
- Watertight (no water inside LV ABC cable)
- Captive and flexible end caps
- All components are solid and tight in place
- Equipped with metallic shear head to ensure a reliable tightening torque
- Installation temperature -20°C to +55°C
- Can be installed on energized main if not under load
- No damage on the bare cable

TE Connectivity's (TE) Insulated Piercing Connectors P3B120/P2B100 U Mk2 are specifically designed to connect a LV Bare line to a LV ABC line by simultaneous action.

Ease of installation has been combined with excellent mechanical, electrical and environmental characteristics to provide a connector capable of connecting aluminium or copper bare conductors.

A single torque control nut draws the two parts of the connector together and shears off when the contact is optimal. It is not recommended to re-use IPC when removed.

In order to combine good mechanical and electrical performances, a new connecting technology has been implemented. Indeed connection on the bare cable is done by using a metallic plate on the top of the connector and a piercing teeth technology at the bottom.

Connection on the LV ABC cable is still done by piercing technology.

Customers can count on consistent, high quality products, driven by TE's proven innovation and backed by our extraordinary customer support.

Transition connector



These connectors withstand the tests described in the European standard EN 50483-4:2009

(connectors class A for P3B120 and connector class B for P2B100 U Mk2)

- Mechanical tests on connectors
- Mechanical tests on cables (LV ABC cables and bare cables)
- Water tightness tests
- Electrical ageing test (with short circuits for class A connector)
- Environmental tests (climatic and corrosion)

PRODUCT SELECTION INFORMATION

Description	Part Number	Cross section (mm ²)		Characteristics		
		Bare Al/Cu	LV ABC	Max Current (A)	Weight (g)	Packing
P2B100 U Mk2	2107864-1	7-100	4-35 (50)	150	133	50
P3B120	2107862-1	7-120 (150*)	25-95	350	170	50

* Fits up to this conductor size geometrically, but max current rating of the connector is lower than possible cable rating

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FOR MORE INFORMATION: TE Technical Support Centers

USA: + 1 800 327 6996
France: + 33 380 583 200
UK: + 44 0870 870 7500
Germany: + 49 896 089 903
Spain: + 34 916 630 400
Italy: + 39 333 250 0915
Benelux: + 32 16 351 731
Canada: + 1 (905) 475-6222
Mexico: + 52 (0) 55-1106-0800
Latin/S. America: + 54 (0) 11-4733-2200
China: + 86 (0) 400-820-6015