

INSULATED PIERCING CONNECTORS P3X/P4X

FOR INSULATED OVERHEAD LINES AND LV ABC LINES,
MAIN TO MAIN CONNECTION



**BUILT FOR HIGH-PERFORMANCE LV
CONNECTIONS USING WATERPROOF DESIGN
AND EASY SINGLE-BOLT INSTALLATION**

APPLICATIONS

- Overhead Power Networks

RELEVANT STANDARDS AND TEST REPORTS

- Meet French standard
NF C 33 020
- Meets EN 50483-4
(connector class 1 and class A)
- Corrosion tested to NF C 33 003

KEY FEATURES

- Expanded wire range
with copper-conductor
compatibility
- Waterproof design
- Captive and flexible end cap
- Single-bolt (P3X) or 2 bolts
(P4X) installation with ring
washers for stable pressure
- Torque-control nut
ensures precise, consistent
tightening
- Wide operating temperature
range: -55°C to +55°C
- Can be installed on
energized mains when tap is
not under load

TE Connectivity (TE) Insulated Piercing Connectors P3X/P4X are engineered for ease of installation and deliver robust mechanical, electrical, and environmental performance, making them suitable for terminating aluminium or copper stranded conductors.

Tin-plated copper blades embedded in moulded plastic and surrounded by a sealing compound help establish electrical contact in low-voltage overhead distribution networks. A torque-control nut brings the connector halves together and is designed to shear once the teeth have pierced the insulation and contact has been made with the conductor strands. Reuse of the connector after removal is not recommended.

Our P3X/P4X connectors are intended for main-to-main connections in low-voltage ABC lines. They may also be used in systems up to 1500 VDC, with maximum current-carrying capacities of 350 A RMS for P3X and 550 A RMS for P4X.

PRODUCT SELECTION INFORMATION

Description	Part Number	No. of Bolt	Teeth	Main (Al/Cu)		Tap (Al/Cu)		Characteristics		
				Min (mm ²)	Max (mm ²)	Min (mm ²)	Max (mm ²)	I Max (A)	Packing	Weight (g)
P3X 95	1574150-1	1 Bolt	Alu Alloy	25	95	25	95	350	50	158
P4X 120 D	1701730-1	2 Bolt	Alu Alloy	25	120	25	120	550	25	332
P4X 150 D	1574182-1	2 Bolt	Tined Copper	50	150	50	150	550	25	342

Learn more: [TE.com/energy](https://www.te.com/energy)

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