



## INSULATED PIERCING CONNECTORS P3X/P4X FOR INSULATED OVERHEAD LINES AND LV ABC LINES, MAIN TO MAIN CONNECTION

### KEY FEATURES

- Expanded wire range
- Accept copper conductor
- Waterproof
- End caps for taps and splices
- Single bolt application with ring washers for residual pressure
- Torque control nut for precise pressure on conductor and insulation
- Operating temperature -55°C to +55°C
- Installation temperature -20°C to +55°C
- Can be installed on energized main if tap is not under load

TE Connectivity's (TE) Insulated Piercing Connectors P3X/P4X's easy installation has been combined with excellent mechanical, electrical and environmental characteristics to provide a connector capable of termination aluminum or copper stranded conductors.

Tin plated copper blades (P3/P4) imbedded in moulded plastic and surrounded with a sealing compound insure electrical contact in low voltage overhead distribution networks. A single torque control nut draws the two halves of the connector together and shears off when the teeth have pierced the insulation and made contact with the conductor strands. It is not recommended to re-use IPC when removed.

P3X/P4X connectors are specifically designed for main to main connection in low voltage ABC lines. They can also be used with 1500 V DC considering that the maximum carrying capacity of the P3X and P4X will be respectively 350A RMS and 550A RMS.

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

## Insulated Piercing Connectors P3X/P4X



The mechanical strength of the connection is in accordance with the tensile requirements of NF C 33 020 while the electrical performance meets the test outlined in NF C 33 004. The dielectric and waterproof tests are in accordance with the rigid standard of NF C 33 020 and corrosion test per NF C 33 003. The molded end caps have been tested for dielectric strength and resist 6kV for one minute.

### PRODUCT SELECTION INFORMATION

Description	Part Number	Teeth	Main Al / Cu		Tap Al/Cu		Characteristics		
			Min (mm <sup>2</sup> )	Max (mm <sup>2</sup> )	Min (mm <sup>2</sup> )	Max (mm <sup>2</sup> )	I Max (A)	Packaging	Weight (g)
P3X 95	1574150-1	Tined copper	25	95	25	95	350	50	158
P4X 120 D	1701730-1	Tined copper	25	120	25	120	550	25	332
P4X 150 D	1574182-1	Tined copper	50	150	50	150	550	25	342

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