

## Insulation Piercing Connectors for insulated overhead lines



**P2X 95**



**P2X 150**



**P3X 95**



**P4X 150 D**

### Application

These connectors have been designed to meet the rigid requirements of Global Power Distribution Companies. Ease of installation has been combined with excellent mechanical, electrical and environmental characteristics to provide a connector capable of terminating Aluminium or Copper stranded conductors.

### Description

Tin plated copper blades (P2X 95U, P3 & P4) or aluminium alloy (other P2) imbedded in moulded plastic and surrounded with a sealing compound insure electrical contact in LV 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. The mechanical strength of the connection is in accordance with the tensile requirements of NF C 33 020 while the electrical performance meets or exceeds the test outlined NF C 33 004. The dielectric and waterproof tests are to the rigid standards of NF C 33 020 and corrosion test per NF C 33 003 (French standards).

The moulded end caps have been tested for dielectric strength and resist 6kV for one minute.

It is not recommended to re-use IPC when removed.

### Features and benefits

- Expanded wire range
- Accepts copper conductor
- Waterproof
- End caps for taps or 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

## Insulation Piercing Connectors – P series

| Designation | P/N         | RPN        | Main Al / Cu               |                            | Tap Al / Cu                |                            | Characteristics |       |               |
|-------------|-------------|------------|----------------------------|----------------------------|----------------------------|----------------------------|-----------------|-------|---------------|
|             |             |            | Min.<br>(mm <sup>2</sup> ) | Max.<br>(mm <sup>2</sup> ) | Min.<br>(mm <sup>2</sup> ) | Max.<br>(mm <sup>2</sup> ) | I Max.<br>(A)   | Pack. | Weight<br>(g) |
| P2X 95      | 0-1510619-1 | F77006-000 | 16                         | 95                         | 4                          | 35(50)                     | 100             | 50    | 118           |
| P2X 95 U    | 0-1510619-3 | D42334-000 | 16                         | 95                         | 6                          | 35(50)                     | 150             | 10    | 120           |
| P2X 150     | 0-1510619-2 | C41222-000 | 50                         | 150                        | 6                          | 35(50)                     | 100             | 50    | 118           |
| P3X 95      | 0-1574150-1 | C44216-000 | 25                         | 95                         | 25                         | 95                         | 350             | 50    | 158           |
| P4X 150 D   | 0-1574182-1 | F24596-000 | 50                         | 150                        | 50                         | 150                        | 550             | 25    | 342           |

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