



CITEL

CXF60-N Installation Instructions



Installation

The efficiency of coaxial protectors is highly dependent on proper installation, in particular their connection to the grounding network of the installation.

The following installation rules must be strictly observed to ensure proper grounding:

- Equipotential bonding network: all of the bonding conductors of the installation must be interconnected and connected to the installation grounding network.
- Optimized connection of the protector to the bonding network: to reduce the residual voltages during lightning discharge currents, the connection of the protector to the bonding network must be as short as possible (less than 50cm or 19.7in) and has a proper cross section (at least 12 AWG or 4 mm²). The «feed through mounting» method is ideal as it meets all of these requirements.
Warning: for good contact, carefully remove all painted or insulated coatings.
- Location of the protectors: they should preferably be placed at the entrance of the installation (to limit the penetration of lightning currents) and as close as possible to the sensitive equipment (to enhance protection).
- The rating voltage breakdown range is 140 - 210 VDC

2 Types of Mounting

Feed through mounting

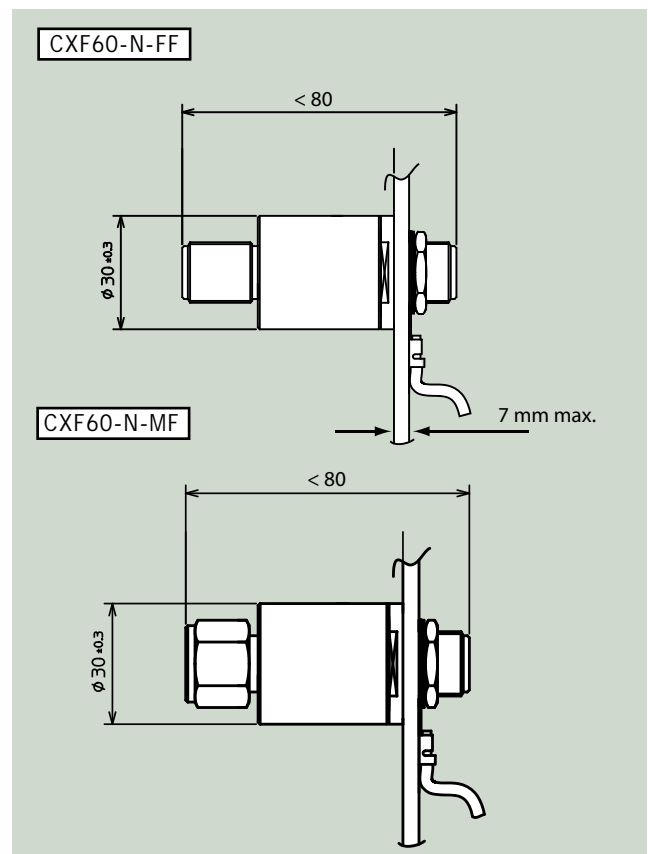
Direct mounting of the surge protector on the grounded frame at the installation entrance :

- Perfect connection to the bonding network
- Best location (conduction of the surge currents at the entrance of the installation)
- Good mechanical withstand.

Alternative mounting

- Connect to the bonding network via grounding wire (12 AWG or 4 mm² minimum and shortest length possible).

Dimensions (mm)



Maintenance and components servicing

The operation of maintenance and repair on the Isolated Loop Circuit Protector shall be returned to the manufacturer for replacement