



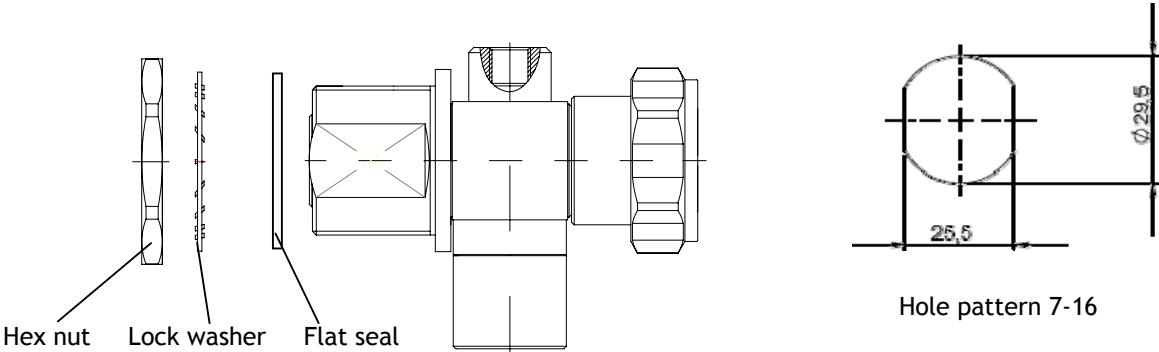
Installation Instruction
2800095-b

These instructions are written for qualified and experienced personnel. Please study them carefully before starting any work. Any liability or responsibility for the results of improper or unsafe installation practices is disclaimed. Please respect valid environmental regulations for assembly and waste disposal. Always make sure to use appropriate personal protection!

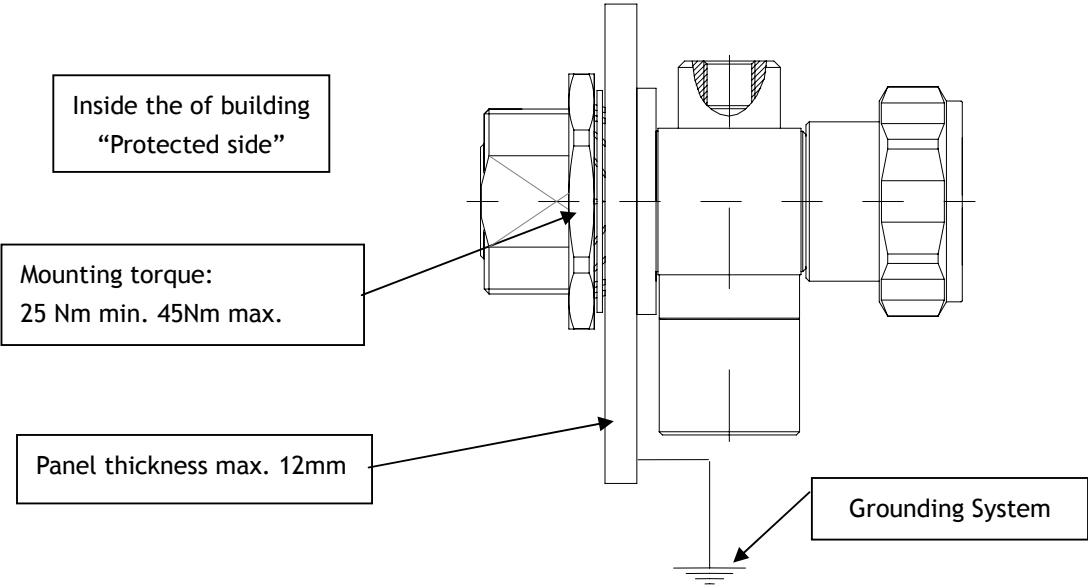
RFS Surge Arrestors provide reliable protection against dangerous surge signals on coaxial lines. This includes all kinds of interference e.g. resistive, magnetic field and electric field coupling caused by lightning strikes, switching and other natural or man made electrical effects.

Best protection is achieved if the protector is properly integrated in the bonding/grounding system of the electronic equipment following the lightning protection zone principle of IEC 61312-1.

Bulkhead installation



The protection zone principle favors the feed through installation In a conductive bulkhead which is simultaneously the boarder to the higher protection zone containing the equipment to be protected. It is recommended to place a surge arrester outside (see sketch).





Surge Arrestor

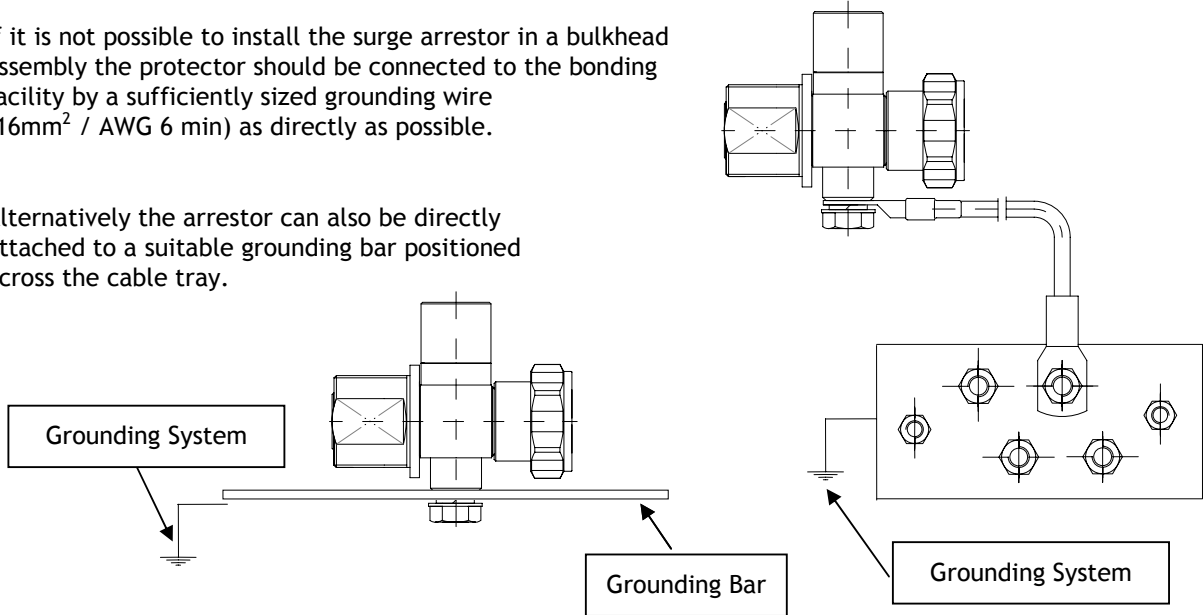
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In-Line installation

If it is not possible to install the surge arrester in a bulkhead assembly the protector should be connected to the bonding facility by a sufficiently sized grounding wire (16mm² / AWG 6 min) as directly as possible.

Alternatively the arrester can also be directly attached to a suitable grounding bar positioned across the cable tray.



Preparing of grounding wire

Cut the grounding wire to the required length.
 Remove 12mm (1/2 inch) of the cable jacket from the grounding wire end.
 Slide the lug over the dismantled cable end.
 Crimp the lug in two places with a hand crimping tool.

Hexagon crimping is recommended

Slide the heat shrink tube over the installed lug.
 The shrinking tube shall be positioned to cover the cable lug and the cable jacket with half of its length each.

Shrink the tube with a heat gun.

