



Surge Arrestor

XXXXXXX-HYB90-02

Installation Instruction

10000025552-02

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 Hybrid 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 61643-21.

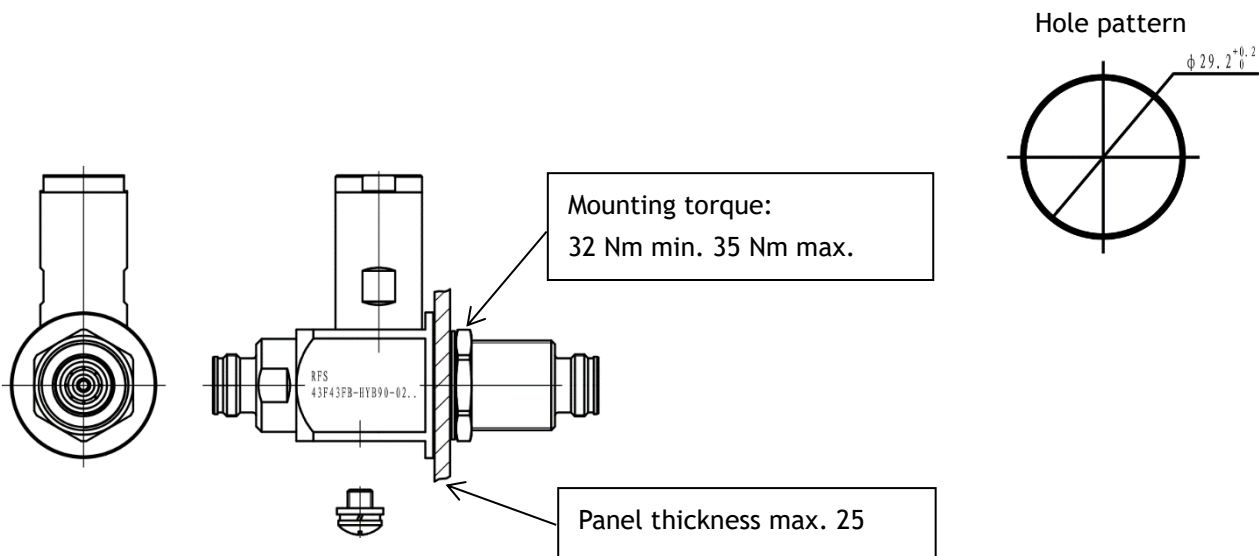
1. Bulkhead assembly

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 surge arrestor outside as follows.

Unprotected side

Outside of the building

Protected side Inside of the building

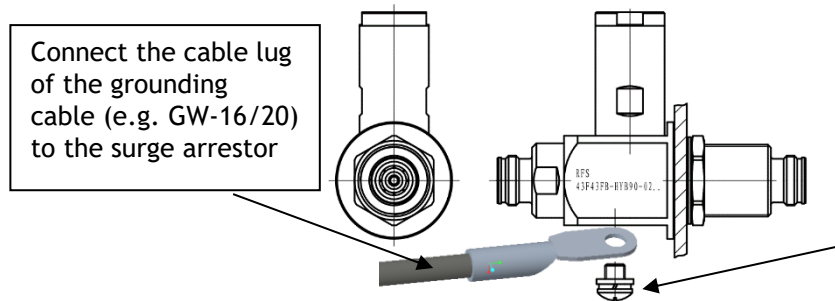


Note: If the grounding of entry panel is not possible, use wire connection as shown under section 2.
Sample picture of 43F43FB-HYB90-02. Instruction valid for complete -HYB90-02 series



2. 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 cable (16 mm² / AWG 6 min. e.g. with grounding cable Mod. No: GW-16/20) at short distance (0.5m / 1.5 ft max.).



3. Warning

Disconnect or switch off in-line equipment when installing, checking, disconnecting and connecting lightning protectors. Keep back from such activities during thunderstorms. Be aware that only a complete protection system according to IEC 61643-21 can protect your equipment and personnel against the impact of lightning. This includes an external lightning protection system with air terminal, down conductor and grounding system and bonding of all incoming and outgoing lines (e.g. protectors for mains, data and telephone lines) - not RF lines only. Please also observe national and/or company regulations that may have more stringent requirements.

Screw M8
Mounting torque:
18 Nm min. 22 Nm max.