



BIRD PROTECTION SYSTEMS FOR 15kV - 52kV MV / HV NETWORKS

AENOR EA0058
CERTIFICATION
CLASS I COVERS



> 1.100pcs
Installed
2019-2020



COVER FOR BUSHINGS OCR / SWITCHES SF6 SUBSTATION TRANSFORMERS.

COVER MODEL **SPSF6** BUSBAR SUPPOT INSULATORS/ SURGE ARRESTERS

Design features

The SPSF6 (1) cover is a multifunction device that is designed to cover the live parts of SF6/OCR switches (2), Surge Arresters and Substation Busbar Support Insulators -among others-, that either have horizontal (3) or perpendicular (4) conductor outputs with an angular deviation between them of 90° or even 135°, in networks of up to 52kV. With a silicone thickness of 3.5 mm, this device has the required dielectric strength to ensure effective performance over time.

Installation: The SPSF6 cover has 7 outputs arranged at different heights and forming angles of 90° - 135° and 180° between them, allowing it to be installed on virtually any existing assembly (3), (4). Its design with 16 locking points per pin, (pre-installed in each device), allows it to be installed easily by hand, without the need for tools

Advantages: Measures have been taken to avoid moisture condensation by designing an exclusive star-shaped drainage system for the lower part of the device to prevent water from accumulating. In addition, the seven outputs have been designed with a conical section, meaning they can be adapted to the conductor cover using silicone tapes and by taking advantage of the morphology of the SPSF6 cover, thereby performing a twofold function: on the one hand it makes water entry difficult, and on the other hand additional fastening to the assembly (5) is provided, guaranteeing that it remains in the chosen location even under severe adverse weather conditions.

The different SPSF6 conical outputs are blinded at the factory, so that only those that are going to be used are enabled, improving the performance of the device over its lifetime and preventing dirt and insect nests from accumulating. The flexibility and nature of the material means that it is easy to adapt the device to the needs of each installation. Its double cone PIN closure system allows subsequent inspections to be carried out without damaging the SPSF6. The SPSF6 can also be used for other non-dielectric uses, such as preserving the most exposed parts of substation equipment from bird droppings (7).

- This model can be installed cold and on live equipment -

Standard Format and Packaging: Model SPSF6 bushing covers are supplied in recyclable cardboard packages containing 4 RAL 3031 red units each. Each package includes information on the month and year of manufacture, Batch No., as well as handling, storage and recycling instructions. A detailed Instruction Manual is included in the package for proper installation of the cover. It includes a QR Code providing access to the installation video.

