

IXOSIL

Three solutions for one application

For many years dry-type outdoor cable terminations have been used worldwide in substations and on high-voltage transmission towers. Reliable in long-term use, they connect cable systems with outdoor cables and busbars. The range covers voltage levels from 52 kV to 170 kV and includes three product versions: a self-supporting cable termination with or without integral surge arrester, and a flexible cable termination. This enables a cost-effective solution of exactly the right size to be realized for every requirement and environmental situation.

IXOSIL is based on standard products that have been established on the market for many years, using tried-and-tested materials and field-proven technologies. Thanks to their light, compact design, the dry-insulated terminations are easy to install, requiring very little space.

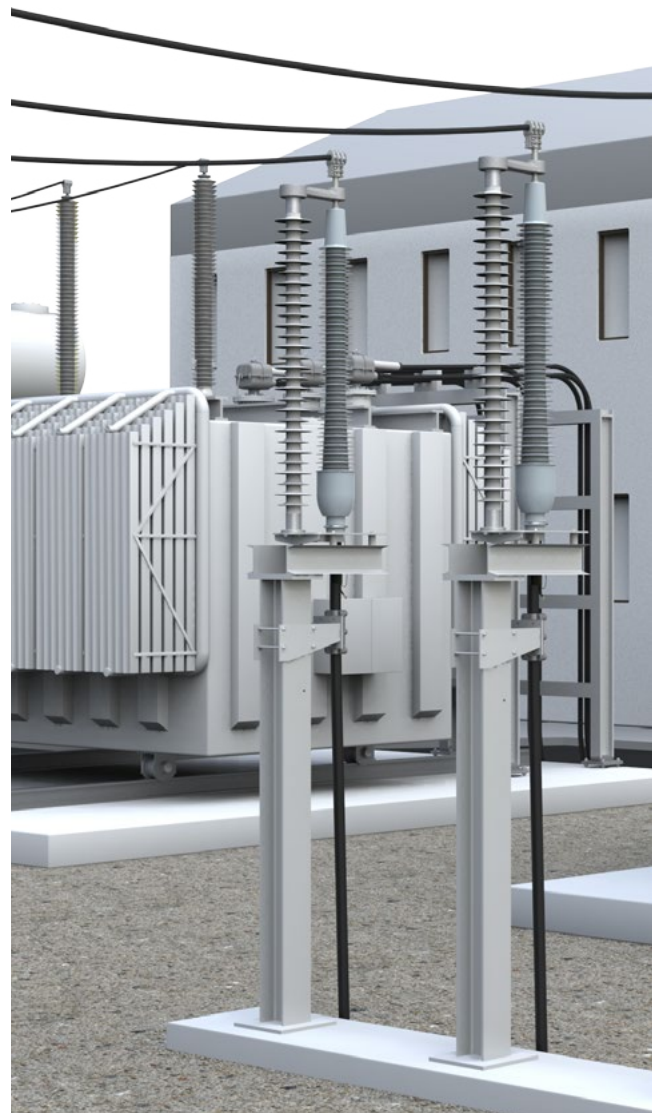
Dry insulation minimizes risks

Dry-type outdoor cable terminations are the technology for the future – geared toward stable networks and a secure power supply. All products are insulated exclusively with solid silicon. This has several advantages: The dry-type IXOSIL range terminations contain no liquid, they are lighter and easier to transport and, what is more, they are quicker to install than conventional terminations.

IXOSIL EST SUB – self-supporting cable termination

The dry-type IXOSIL EST SUB is the safe, cost-effective solution for substations and is designed for voltage levels ranging from 123 kV to 170 kV and conductor cross-sections up to 2,500 mm². The self-supporting termination features the outstanding properties of the IXOSIL system.

The IXOSIL EST design is available for high-voltage transmission towers.



Benefits at a glance

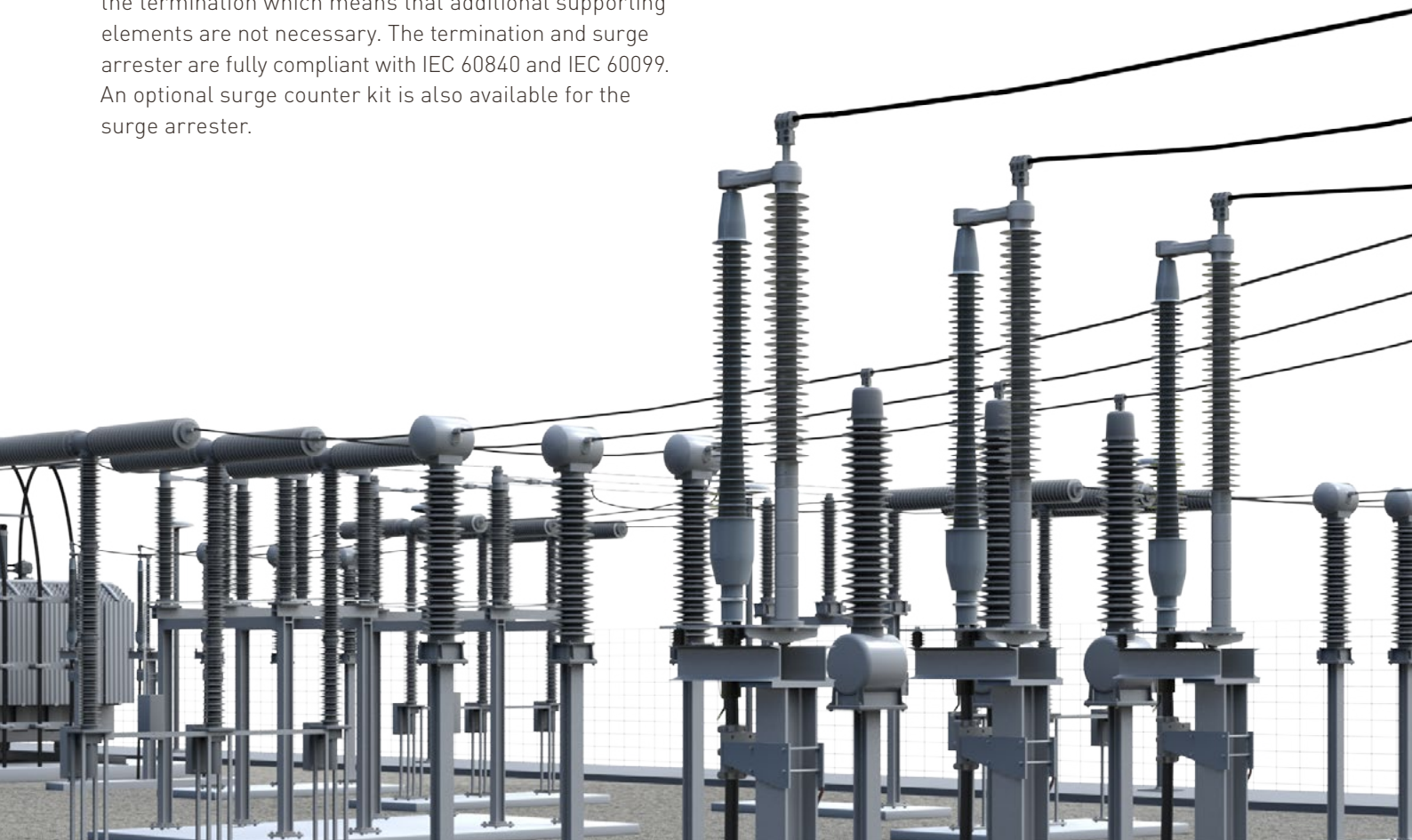
- Quick and easy to install
- Oil and gas free
- Leakproof

IXOSIL EST SUB SA/SAC – Cable terminations with integrated surge arresters

The self-supporting IXOSIL EST SUB with integrated surge arrester combines the benefits of dry-insulated terminations with an integrated dry and gas-free surge arrester. EST SUB with integral surge arrester is available as EST SUB SA for fixed earth grids and as EST SUB SAC for coiled earth grids in the voltage range from 123 kV to 170 kV and for a conductor cross section of up to 2,500 mm². IXOSIL EST SUB SA/SAC can be installed quickly and cost effectively. As the components are independent of one another, the termination can be slid onto the cable very precisely on the ground and then attached in a vertical orientation to the already installed surge arrester. The arrester serves as a fixing point for the termination which means that additional supporting elements are not necessary. The termination and surge arrester are fully compliant with IEC 60840 and IEC 60099. An optional surge counter kit is also available for the surge arrester.

IXOSIL ESF – flexible cable termination

The flexible IXOSIL ESF can be integrated in existing fixing points and is particularly suitable for flexible quick-in-insulation multiple-use applications in testing or temporary site cables. ESF was designed for the voltage range between 52 kV and 170 kV.



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As one of the world's leading independent manufacturers of cable and overhead line accessories, PFISTERER develops, produces and sells solutions for the sensitive interfaces in power networks. Across the globe, energy suppliers, network operators, technology corporations and rail transport providers have come to rely on the nearly 100 years' experience of the corporate group and its product expertise. This includes the dry-type IXOSIL system with outdoor cable terminations and an integrated surge arrester for voltage levels from 52 kV to 170 kV. It can be used in substations and on high-voltage transmission towers. The complete IXOSIL range, which also includes oil-filled cable terminations and joints, covers the voltage range from 52 kV to 550 kV.