SEV/TEV 123 – 420 kV

Oil-filled GIS/transformer termination

Design

- The different versions of the fluid-filled SEV/TEV termination are designed for 123 up to 420 kV.
- The SEV termination is suitable for installation in the gas-filled cable connection box of metal enclosed, gas-insulated switchgear (GIS).
- The TEV termination is suitable for installation in the oil-filled cable connection box of a metal-enclosed, oil-insulated transformer.
- The complete termination consists of epoxy resin insulator with an embedded electrode, fixing ring, metal cable gland, silicone oil as the dielectric fluid, prefabricated silicone stress cone for electrical field control, and compression-type conductor connector.
- The TEV termination is additionally equipped with a corona shield.
- All metal parts are made of corrosion-proof materials.

Application

Fluid-filled GIS/transformer termination suitable for XLPE- and EPR-insulated cables with Al or Cu conductor.

Key characteristics

SEV
- Fluid-filled GIS termination

TEV
- Fluid-filled transformer termination

Note

Optional kits:
- Oil-expansion vessel

Standards

- IEC 60840
- IEC 62067
- IEC 62271-209
- EN 50299

Technical details

Voltage	Type/ Designation	Max. cross section	Prepared cable insulation diameter	Max. oversheath diameter	Insert length	Weight (approx.)
kV		mm^2	mm	mm	mm	kg
123 – 170	SEV/TEV 123/145/170	2500	34.5 – 112.0	135	757	92
245 - 300	SEV/TEV 245/300	2500	56.0 – 122.0	135	960	235
420	SEV/TEV 420	2500	56.0 – 124.0	< 165	1400	530