



NKT



High-Voltage
Cable Accessories

52 up to 550 kV

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Dry plug-in GIS/transformer termination



Design

- The different versions of the dry-type KSEV/KTEV termination are designed for 72.5 up to 550 kV.
- The KSEV termination is suitable for installation in the gas-filled cable connection box of metal-enclosed, gas-insulated switchgear (GIS).
- The KTEV termination is suitable for installation in the oil-filled cable connection box of a metal-enclosed oil-insulated transformer.
- The complete KSEV/KTEV termination consists of epoxy resin insulator with embedded electrode, fixing ring and plug-in part, which is fitted to the cable, comprising metal cable gland with spring-loaded device and pre-moulded silicone stress cone for electrical field control. The termination is additionally equipped with a corona shield.
- The standard conductor connector is of screw type. A compression-type connector is also available.
- All metal parts are made of corrosionproof materials.
- A special offshore solution is available.

Application

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

Standards

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

Specific to the product

- KSEV**
 - Dry plug-in GIS termination
- ISEV**
 - Insulator for dry plug-in GIS termination
- KTEV**
 - Dry plug-in transformer termination
- ITEV**
 - Insulator for dry plug-in transformer termination
- XEV**
 - Plug-in cable connection part for dry GIS/transformer termination

Note

Optional kits:

- Optical fibre kit
- PD-measuring kit
- IEC adapter
- Blind plug (BST 72-245)
- Testing plate
- Current-testing device
- Termination clamp
- Protective housing for XEV

Tools:

- Push-on cone

Technical details

Voltage	Type/ Designation	Max. cross section	Prepared cable insulation diameter	Max. overshooth diameter	Insert length (short/long)	Weight of short/ long insert (approx.)
kV		mm ²	mm	mm	mm	kg
72.5	KSEV/KTEV 72	1200	35.5 – 76.0	96	310/583	31/36
123 – 170	KSEV/KTEV 123/145/170	2500	35.5 – 100.0	135	470/757	55/60
245 – 300	KSEV/KTEV 245/300	3200	47.0 – 140.0	185	620/960	147/178
420 – 550	KSEV/KTEV 420/550	3200	81.0 – 140.0	185	960/1400	178/193