

DRY TYPE GIS (TRANSFORMER) SEALING END DTF (DTT) *for synthetic insulated cables up to 550 kV*

Description

The dry type cable sealing end, for the connection of synthetic insulated cables to gas insulated switchgears is maintenance and supervision free and consists of the following major components :

- The short length epoxy bushing insulator is in accordance with IEC 62271-209 7.2 type A, meaning with reduced dimensions. With a special adaptor, the requirements of IEC 62271-209 7.1 can be met.
- The plug-in connector for the connection of the cable conductor to the head of the bushing.
- The prefabricated and factory tested elastomer stress cone. Once the stress cone is slipped-on to the cable and introduced into the epoxy bushing, the force applied by a spring loaded device on the stress relief cone and its elastic properties, guarantee a void free and homogenous interface between the two components.
- The cable metallic sheath and the cable gland are electrically separated from the GIS or the transformer with an epoxy shield break ring.



Advantages

- Very compact design
- No internal filling with oil or gas needed
- Maintenance and supervision free
- Plug-in / plug-out design
- Environmental friendly
- High reliability thanks to prefabricated and factory tested active parts
- Easy handling and installation. The epoxy bushing may be installed prior to testing of the GIS and hence the cable may be installed without opening the GIS compartment

Range of application	DTF1.72	DTF1.123/145/170	DTF1.245	DTF1.420	DTF1.550
Type tested according to	IEC 60840	IEC 60840	IEC 62067	IEC 62067	IEC 62067
Max. operating voltage	72.5kV	123/145/170kV	245kV	420kV	550kV
Impulse voltage strength 1.2/50µs	325kV	750kV	1'050kV	1'425kV	1'550kV
Diameter over cable insulation	35-85mm	40-94mm	68-115mm	80-140mm	80-140mm
Conductor cross-section up to approx.	2'000mm ²	2'000mm ²	2'500mm ²	2'500mm ²	2'500mm ²

Interfaces and dimensions are according to IEC 62271-209 7.2 type A, with adaptation possible for IEC 62271-209 7.1

The models for 72, 123, 145 and 245 kV are also available as transformer sealing ends, types DTT1.72, DTT1.123, DTT1.145, DTT1.245



Nexans Switzerland Ltd
CH-1305 Cossonay-Gare

Phone +41 (0)21 861 81 11 - Fax +41 (0)21 861 83 13

E-mail: accessoires.swiss@nexans.com

www.nexans.ch