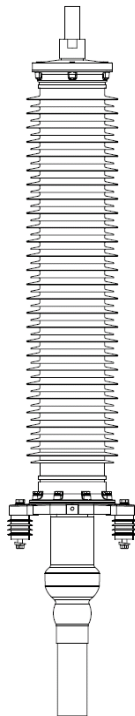


Basic Description

Fluid filled outdoor termination for cables with XLPE insulation, composite insulator and silicone rubber sheds, solid rod connection bolt and support insulators



Electrical data

Relevant standard	IEC 60840	
Rated voltage $U_o/U (U_m)$	kV	76/132 (145)
Rated frequency	Hz	50/60
Lightning impulse voltage 1,2/50 μ s	kV	650
Power frequency voltage withstand dry (1 min)	kV	310
Power frequency voltage withstand wet (10 s)	kV	275
DC voltage withstand (15 min)	kV	315
Rated current	kA	as per cable
Rated short-circuit current (conductor)	kA	as per cable
Rated short-circuit current (sheath) 1s	kA	50
Total creepage distance	mm	4684
Protected creepage distance (90° shadow)	mm	2002
Flash-over distance	mm	1330
Withstand voltage of support insulators (AC/DC)	kV	10/20

Mechanical data

Length without connection bolt	mm	1684
Outer diameter of insulator	mm	304
Inner diameter of insulator	mm	198
Cantilever force	N	3600
Max. permissible radial pull at connection bolt	N	2000
Diameter of connection bolt	mm	30/40/50
Length of connection bolt	mm	100/130
Earth connection	4 x M12	
Weight approx.	kg	109
Silicone-Oil volume approx.	l	35

Design data

Diameter over insulation	34 – 97 mm
Diameter over sheath	110 mm
Cable screen types	Cu-wires w/o laminated foil, lead sheath, corrugated metal sheath, Cu-tape (other types and combinations on request)
Max. Cross section (Cu / Al)	Approx. 2500 mm ²
Conductor connection	Mechanical (shear head bolts)
Material of connection bolt	Aluminium / copper
Material of insulator – outer surface	Silicone rubber
Profile of insulator	Alternating sheds
Colour of insulator	Grey
Method of stress control	Geometric
Stress cone	Pre-fabricated silicone rubber
Max. permissible dielectric stress	4 kV/mm (at insulation screen of cable)
Insulating liquid	Silicone oil
Material of fittings	Aluminium
Clearance between terminations	As per IEC 60071-1
Installation temperature	0 °C - +40 °C
Operation temperature	-55 °C - +55 °C
Storage temperature	0 °C - +40 °C

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