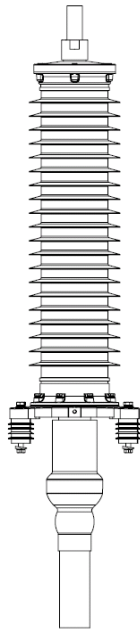


Basic Description

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



Electrical data

Relevant standard	IEC 60840 / IEEE 48	
Rated voltage $U_o/U (U_m)$	kV	36/66 (72,5)
Rated frequency	Hz	50/60
Lightning impulse voltage 1,2/50 μ s	kV	350
Power frequency voltage withstand dry (1 min)	kV	175
Power frequency voltage withstand wet (10 s)	kV	145
DC voltage withstand (15 min)	kV	240
Rated current	kA	as per cable
Rated short-circuit current (conductor)	kA	as per cable
Rated short-circuit current (sheath) 1s	kA	40
Total creepage distance	mm	2164
Protected creepage distance (90° shadow)	mm	760
Flash-over distance	mm	910
Withstand voltage of support insulators (AC/DC)	kV	10/20

Mechanical data

Length L without connection bolt	mm	1076
Outer diameter D of insulator	mm	294
Inner diameter of insulator	mm	198
Cantilever force	N	5000
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	78
Silicone-Oil volume approx.	l	24

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. 2000 mm ²
Conductor connection	Mechanical (shear head bolts) or Compression connector
Material of connection bolt	Mechanical: aluminium / Compression: same as conductor
Material of insulator – outer surface	Silicone rubber
Profile of insulator	Regular sheds
Colour of insulator	Grey
Method of stress control	Geometric
Stress cone	Pre-fabricated silicone rubber
Max. permissible dielectric stress at core screen	8 kV/mm (at core screen of cable)
Insulating liquid	Silicone oil
Material of fittings	Aluminium
Clearance between terminations	As per IEC 60071-1

ENERGY DIVISION

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