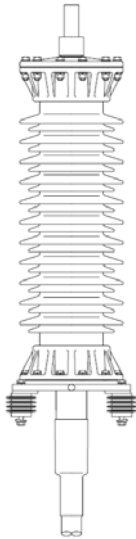


**Basic Description**

Fluid filled outdoor termination for cables with XLPE insulation, porcelain insulator, solid rod connection bolt and support insulators



**Electrical data**

Relevant standard		IEC 60840
Rated voltage $U_o/U (U_m)$	kV	36/66 (72,5)
Rated frequency	Hz	50/60
Lightning impulse voltage 1,2/50 $\mu$ 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	245
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	2350
Protected creepage distance (90° shadow)	mm	1100
Flash-over distance	mm	900
Withstand voltage of support insulators (AC/DC)	kV	10/20

**Mechanical data**

Length without connection bolt	mm	1145
Outer diameter of insulator	mm	360
Inner diameter of insulator	mm	165
Cantilever force	N	13000
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	170
Silicone-Oil volume approx.	l	22

**Design data**

Diameter over insulation	34 – 74 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 <sup>2</sup>
Conductor connection	Mechanical (shear head bolts)
Material of connection bolt	Aluminium / copper
Material of insulator – outer surface	Porcelain
Profile of insulator	Alternating sheds
Colour of insulator	Brown
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	-50 °C - +50 °C
Storage temperature	0 °C - +40 °C

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