



MKB

170 (O)

ARKASIL

Type

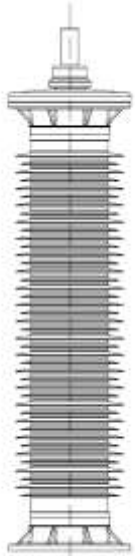
Maximum system voltage

PDD-27-15-013

PRODUCT DESCRIPTION

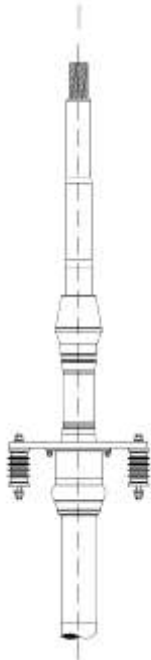
High-voltage cable termination MKB 170 (O) is designed to terminate XLPE 87/150 kV high-voltage cable in outdoor conditions or indoor conditions. MKB 170 (O) could be used in indoor and outdoor conditions. MKB 170 (O) optionally could have optical fiber output.

BASIC COMPONENTS



INSULATOR

- composite type of insulator with glass fiber epoxy tube and sheds made of silicone rubber with different creepage distances.
- shed color: light grey.
- top and bottom flanges glued and sealed.



CABLE END

- pre-molded and factory-tested stress cone.
- solid rod top connector.
- base plate.
- branch pipe.
- support insulators.
- seals and fixing materials.
- insulating compound.
- earth angle with hole for earth connections.

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AREA OF APPLICATION

Type	MKB 170 (O)
Maximum system voltage, kV	170
Cable conductor cross section, mm ²	185 ÷ 2500
Maximum outer sheath diameter, mm	130
Maximum cable insulation diameter(prepared), mm	95

TECHNICAL DATA

Type	MKB 170 (O)	
Electrical data:		
AC voltage withstand test	218 kV for 30 min	
Impulse withstand voltage (10+/-10- impulses)	750 kV	
Partial discharge test	< 5 pC at 114 kV	
Climatic data:		
Min/Max temperature for outdoor conditions	- 45°C/ + 50°C	
Minimal creepage distance, mm	4480	5370
Insulator length, mm	1552	1590
Pollution level IEC 815	III	IV
Nominal operating current	Limited by cable specification	
Short circuit current	Limited by cable specification	
Stress cone electrical routine test demands:		
AC voltage withstand test	218 kV for 30 min	
Partial discharge test	<5 pC at 131 kV	
Support insulator withstand voltages:		
AC voltage, kV	10	
DC voltage, kV	20	
Mechanical data:		
Maximum allowed inclination with vertical	30 °, 45 °*	
Approximate weight, kg	140	
Maximum allowed force on top connector, N	2200 (horizontal)	

*- special exploitation requirements

ALL TYPE TEST ACCORDING TO REQUIRMENTS

IEC 60840

MOUNTING

MKB 170 (O) must be mounted by trained/certified personnel. Mounting area must be protected from dust and moisture. Temperature of mounting should be from +10 to +40 C.