



# MKB

# 145 (O)

# ARKASIL

**Type**

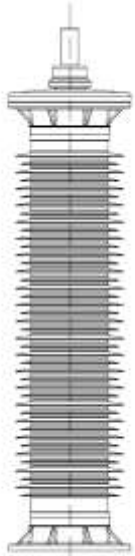
**Maximum system voltage**

**PDD-27-15-012**

## PRODUCT DESCRIPTION

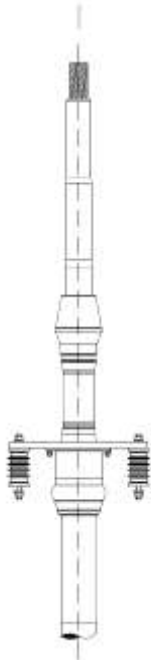
High-voltage cable termination MKB 145 (O) is designed to terminate XLPE 76/132 kV high-voltage cable in outdoor conditions or indoor conditions. MKB 145 (O) could be used in indoor and outdoor conditions. MKB 145 (O) optionally could have optical fiber output.

## 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.

MKB

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**AREA OF APPLICATION**

Type	MKB 145 (O)
Maximum system voltage, kV	145
Cable conductor cross section, mm <sup>2</sup>	185 ÷ 2500
Maximum outer sheath diameter, mm	130
Maximum cable insulation diameter(prepared), mm	93

**TECHNICAL DATA**

Type	MKB 145 (O)	
<b>Electrical data:</b>		
AC voltage withstand test	190 kV for 30 min	
Impulse withstand voltage (10+ /10- impulses)	650 kV	
Partial discharge test	< 5 pC at 114 kV	
<b>Climatic data:</b>		
Min/Max temperature for outdoor conditions	- 45°C/ + 50°C	
Minimal creepage distance, mm	3870	4605
Insulator length, mm	1365	1390
Pollution level IEC 815	III	IV
Nominal operating current	Limited by cable specification	
Short circuit current	Limited by cable specification	
<b>Stress cone electrical routine test demands:</b>		
AC voltage withstand test	190 kV for 30 min	
Partial discharge test	<5 pC at 114 kV	
<b>Support insulator withstand voltages:</b>		
AC voltage, kV	10	
DC voltage, kV	20	
<b>Mechanical data:</b>		
Maximum allowed inclination with vertical	30 °, 45 °*	
Approximate weight, kg	105	
Maximum allowed force on top connector, N	3200 (horizontal)	

\*- special exploitation requirements

**ALL TYPE TEST ACCORDING TO REQUIRMENTS**

IEC 60840

**MOUNTING**

MKB 145 (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.