

Type

Maximum system voltage

PDD-27-14-007

PRODUCT DESCRIPTION

Pre-moulded outdoor joint MCB 145 is designed to connect two XLPE 76/132 kV high voltage cables. Joint MCB 145 has direct connection of screen.

Joint MCB 145 contains:

- Silicone pre-molded joint body.
- Special tapes for different purposes
- Protective covering from heat shrinkable tubes and sleeves (optionally other protective covering)
- Optionally it could contain optic fiber connection

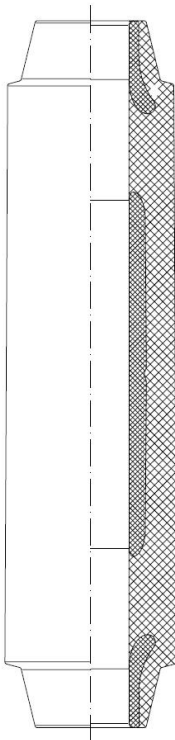
BASIC COMPONENTS

INSULATOR

- Silicone pre-molded joint body with conductive elements for electrical field control.

CONNECTOR AND SEALING MATERIALS

- Compression sleeve (copper or aluminum depends on cable conductor).
- Sealing and fixing materials
- Optionally it could be sleeve with screws



MCB 145

ARKASIL**Type** **Maximum system voltage****PDD-27-14-007****AREA OF APPLICATIONS**

Type	MCB 145
Maximum system voltage, kV	145
Cable conductor cross section, mm ²	185 ÷ 2000
Maximum outer sheath diameter, mm	115
Maximum cable insulation diameter(prepared), mm	93

TECHNICAL DATA

Type	MCB 145
Electrical data:	
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
Climatic data:	
Climatic version	- 45°C/ + 50°C
Nominal operating current	Limited by cable specification
Short circuit current	Limited by cable specification
Sheath withstand voltages:	
DC voltage, kV	25 kV for 1 min
Joint body electrical routine test demands:	
AC voltage withstand test	190 kV for 30 min
Partial discharge test	<5 pC at 114 kV

PACKAGE

Package dimensions, mm	Approximate package weight, kg
1400x480x350	55

ALL TYPE TESTS ACCORDING TO REQUIRMENTS

IEC 60840

MOUNTING

MCB 145 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.

MCB

145

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TYPICAL DRAWING

