

MCB

145 X

ARKASIL

Type

Maximum system voltage

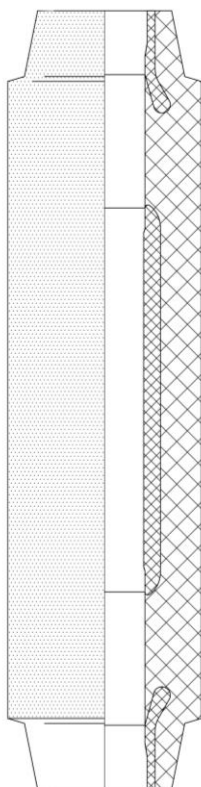
PDD-27-14-008

PRODUCT DESCRIPTION

Pre-moulded outdoor joint MCB 145 X is designed to connect two XLPE 76/132 kV high voltage cables. Joint MCB 145 X has cross-bonding connection of different cable phase screen (screen transition).

Joint MCB 145 X contains:

- Silicone pre-molded joint body
- Special tapes for different purposes
- Protective covering from heat shrinkable tubes and sleeves (optionally other protective covering)



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

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AREA OF APPLICATIONS

Type	MCB 145 X
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 X
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	20 kV for 1 min
Impulse voltage (10+/10- impulses)	37,5 kV
Sheath interruption withstand voltages:	
DC voltage, kV	20 kV for 1 min
Impulse voltage (10+/10- impulses)	75 kV
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
1400x480x560	75

ALL TYPE TESTS ACCORDING TO REQUIRMENTS

IEC 60840

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MOUNTING

MCB 145 X 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.

TYPICAL DRAWING

