

## MOA Separable Arrester for WCB(K) 35/630

### Application

MOA arrester can provide protection for electrical components up to 35kV, such as transformers, equipment, cable and accessories, which may suffer from over voltage and transients resulting from lightning and switching.

Designed to comply with the bolted-type Tee connector WCB(K) 35/630 and tested in compliance with IEC 60099.4-2006 and JB/T 8952.

### Design

#### 1. External Screen

Moulded EPDM conductive rubber ensure the connector touchable

#### 2. Insulation

Moulded EPDM insulating rubber to ensure excellent electrical properties

#### 3. Internal Screen

Moulded EPDM conductive rubber to control electrical stress

#### 4. Two-headed Screw

To secure the conductor lug onto the bushing

#### 5. Copper Connecting Pipe

Connect the lugs between cable and surge arrester

#### 6. Surge Arrester

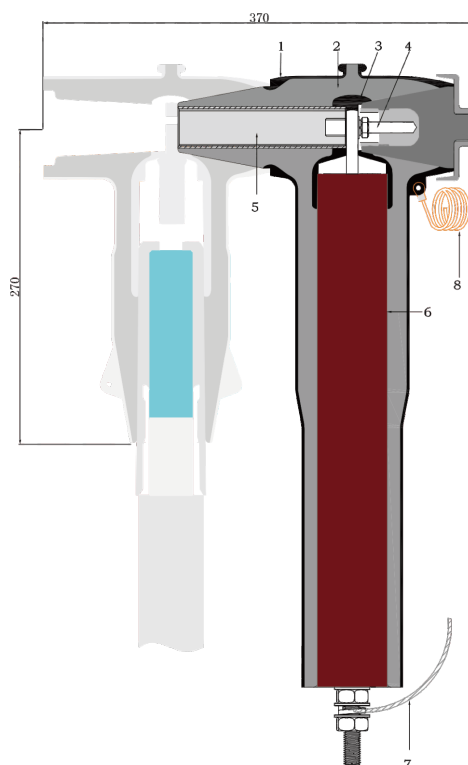
Metal oxide valve elements.

#### 7. Earth connection

The surge arrester is connected to the earth by an earth braid that manages short circuit currents.

#### 8. Earth Lead

Earth the external screen



### Technical Data

Dimension: mm

Item	WCBK YH5WZ-51/134/400	WCBK YH5WZ-51/134/600	WCBK YH5WZ-51/134/800
System Nominal Voltage(kV)	35	35	35
Rated Voltage(kV)	51	51	51
Continuous Operation Voltage (kV)	40.8	40.8	40.8
Nominal Discharge Current(kA)	5	5	5
Steep Current Impulse Residual Voltage (kV)	≤154	≤154	≤154
Lightning Impulse Residual Voltage(kV)	≤134	≤134	≤134
Switching Impulse Residual Voltage(kV)	≤114	≤114	≤114
Long Duration Current Impulse Withstand(A)	400	600	800
High Current Impulse Withstand (kA)	100	100	100