

ZW43A-12 outdoor vacuum circuit breaker is used to make and break load current, overload current and short-circuit current in 12kV, AC 50/60Hz power system. It is applicable for substations, industry and mining, urban and rural electricity power networks, especially for occasions with frequent operation and automatic power distribution network.

It accords with the standard of IEC622 71-100 & GB1984: AC high voltage circuit breaker, IEC60694 & GB/T11022: HV General technical requirement of switch and control apparatus.

Technical Data

Rated voltage			12
Rated insulation level	1 min PF withstand voltage	Dry	42/48
		Wet	34
	Lightening impulse withstand voltage(peak)		75/85
Rated current		A	630
Rated short-circuit breaking current		KA	20
Rated operating sequence			0-0.3s-co-180s-co
Opening times of rated short-circuit breaking current		times	30
Rated short-circuit closing current		KA	50
Rated peak withstand current			
Rated short-time withstand current			
The duration of rated short circuit			4
opening time		s	0.040~0.060
closing time			0.070~0.120
Mechanism life		Times	10000
Rated closing operation voltage		V	AC/DC220,110
Rated opening operation voltage			
Over current tripper	Current setting multiple		0.2~2.5
	setting current tolerance		±10%
	delay setting value		0-0.5
	latency tolerance		±10%
Instantaneous over-current protection	current setting multiple		2.5-10
	setting current tolerance		±10%
	delay setting value		0-0.5
	latency tolerance		±10%
AC input current charging control unit	Rating value		A 5
	Fluctuation range		A 0.5~8

Basic components:

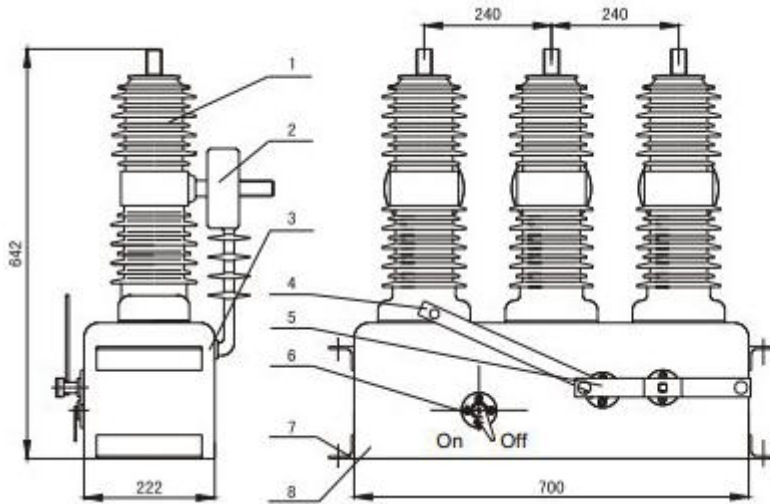
1. Current transformer protection poles 2 pcs
2. Spring mechanism AC220V

Optional components:

1. Current transformer, metering and protection poles 2pcs each 75/5 or higher
2. Outside voltage transformer 2pcs (for control power supply and metering)
3. Motor spring mechanism AC/DC 220V/110V/48V/24V
4. Reclosing controller and series FTU and RTU
5. Disconnecting blade

Outline

Dimension



Outline diagram

1. Solidified sealed pole
2. Current transformer
3. Aluminium alloy base
4. Manual storage handle
5. Manual on/off handle
6. On/off indicator
7. Mounting board
8. Spring mechanism(inside)