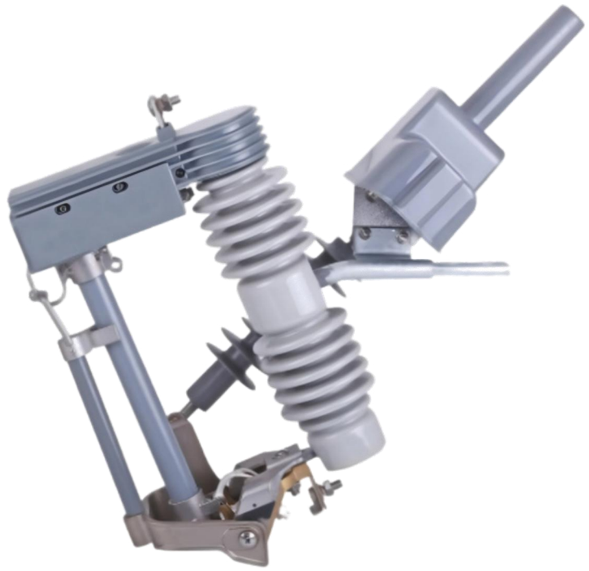
INTELLIGENT DROP-OUT FUSE CUT OUT



Product Overview

The intelligent drop-out fuse cut out is a protective device installed on the pole-mounted transformer substation, providing overload and short-circuit protection for distribution line.

The intelligent drop-out fuse is primarily used in application scenarios such as mining and oil fields, rural grid upgrades, agricultural irrigation, new energy charging stations, railway and highway systems, communication base stations, and other 12/24kV terminal distribution transformer substations.

The intelligent drop-out fuse provides intelligent current monitoring, switch status monitoring, temperature detection, short-circuit alarm function, and wireless data transmission.

Product Features

Superior reliability

It is immune to operator skill level and prevents misuse, while also meeting all-weather operational requirements unafected by wind, rain, fog, or darkness.

Advanced Intelligence

The system integrates multiple sensors to continuously monitor key parameters such as contact temperature, current, and switch position from primary equipment. All data is transmitted in real-time to the master station, enabling remote status monitoring without on-site inspections. This significantly reduces routine maintenance workload. The system also automatically alerts operators upon detecting any abnormal data for prompt troubleshooting.

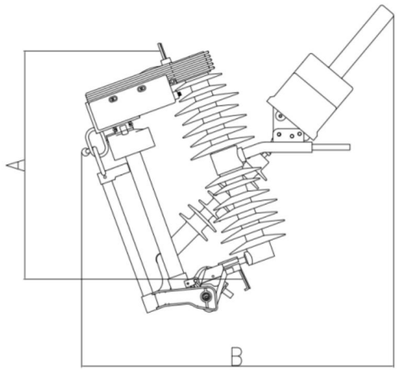
Security Assurance

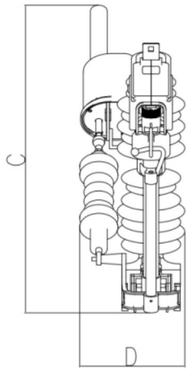
High-voltage switching operations can be performed remotely, eliminating the need for climbing or working at height. This ensures operators maintain a safe distance from high-voltage equipment, guaranteeing personal safety.

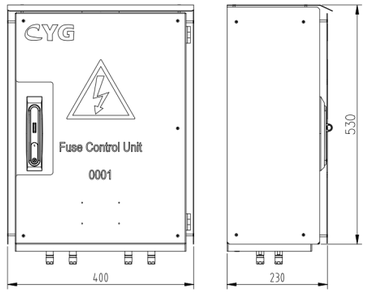
Technical Parameters

No	Item		Unit	Parameters	
1	Rated voltage		kV	12	24
2	Rated current		A	≤200	
3	Drop-out current		kA	≤16	
4	The minimum distance		mm	380	530
5	The motor voltage		V(DC)	24	
6	Lightning impulse withstand voltage		kV	75/85	150
7	Power frequency withstand voltage		kV	42/48	65
8	Charging Voltage		V	AC 100-250	
9	Controller Standby Power Consumption		W	0.4	
10	Current Measurement	Range	A	0-200	
		Accuracy	%	(10%-2000%)xIn≤3%	
11	Contact Temperature Measurement	Range	℃	-25~100	
		Accuracy	℃	not exceed±1	
12	Oil Temperature Measurement	Range	℃	-40~120	
		Accuracy	℃	not exceed±2	
13	Oil Pressure Measurement	Range	kPa	-30~130	
		Accuracy	kPa	not exceed±2	

Overall Dimensions







	A(mm)	B(mm)	C(mm)	D(mm)
12kV	400	585	590	190
24kV	445	610	600	205

Typical Applications