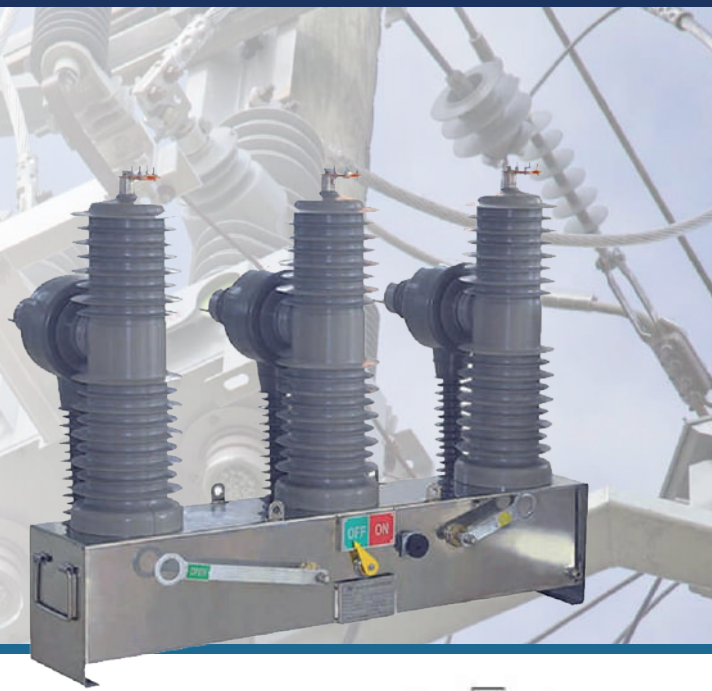




Automatic Circuit Reclosers

Pole Mounted Reclosers &
VCBs Up to 36 KV



SmartOn **Automatic Circuit Reclosers** are the most important element of the pole mounted switchgear family.

Pedigreed over the years, integrated reclosers are now a mature technology widely used to improve the overhead network availability beyond 90%. The robust design and with choice of advanced variants, the recloser family can address all kind of service requirements from advanced feeder protection to substation and standalone pole mounted VCB applications.

■ RATINGS

- Current In: 400/630/800 A
- Withstand: 12.5/16/25 kA,
- BIL: 110/125/170 KV
- Altitude: up to 3000m
- Voltage: 12 / 25 / 36 KV

■ FEATURES

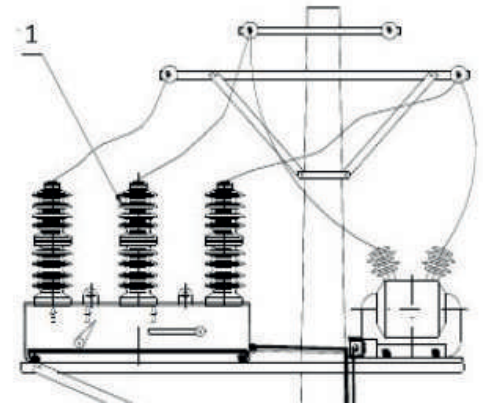
- Material: 302 Stainless Steel
- Insulation: Polymer
- Operation: Magnetic Actuator / Motorized / Manual
- Built-in CT & CVTs

■ PROTECTION & CONTROL

- Multiple choices for protection & control
- Only Current or Current & Voltage based protection
- Directional Protection (Option)
- Measurement & recording of all electrical parameters
- Event recording with waveform capture
- Sag / Swell & Harmonics
- Additional I/Os for interlocking
- Monitored Li/Lead Acid Batteries with Charger

■ TELEMETRY

- Remote communications supporting all industry protocols
 - IEC 61850
 - IEC 101 / 104
 - DNP 3.0
 - Modbus
- Ready Integration with Sharika's Dnet Cloud Platform Cyber Secured, VPN based remote connectivity





Description	Unit	ARC-1	ARC-2	ARC-3(4)	
Rated Maximum Voltage	kV rms	15	25	36	
Rated Current	A rms	630 (800)	400/630 (800)	400/630 (800)	
Rated Frequency	Hz	50/60	50/60	50/60	
Short Circuit Interrupting	kA	12.5KA	12.5kA	12.5kA	
Short Circuit withstand Curr.	kA rms (1 sec.)	12.5kA	12.5kA	12.5kA	
Short Circuit withstand Curr. (Option)	kA rms (3 sec.)	(25kA)	(25kA)	(25kA)	
Short circuit Making Current	kA peak	31.5KA(40)	31.5KA(40)	31.5KA(40)	
Cable Charging Interrupting Current	A rms	5	5	5	
Transformer Magnetizing Interrupting current	A rms	22	22	22	
Current Setting Tap	Phase	A	Programmable		
Programmable for Phase Ground SEF	Ground	A	Programmable		
	Sen.	A	Programmable		
Power frequency withstand voltage	Dry	kV	40	50/60	70/80
	Wet	kV	35	50	60/70
Impulse withstand voltage	kV crest		95/110	125/150	170/200
Mechanical Endurance	times		10,000	10,000	10,000
Reclosing Sequence (Programmable)			o-t1-co-t2-co-t3-co-Lock *		
Insulation			Polymer	Polymer	Polymer
Interrupting			Vacuum (Puffer)	Vacuum (Puffer)	Vacuum (Puffer)
Applied Standard			IEC 62271-111, ANSI C37.60		
Operating Mechanism			Magnetic Actuator OR Motor assisted Spring Charge		

* Depends on the choice of mechanism

■ CAPABILITIES

Comprehensive range of three phase vacuum reclosers with mechanically ganged operations. Suitable for overhead distribution lines up to 38kV.

SmartOn circuit reclosers can drastically reduce the SAIDI / SAIFI on overhead networks with impressive Rol. Reduces the down time due to temporary faults by 90%. With effective deployment in coordination with Sharika's range of Smart LBS, Smart FIDs and FPIs, the solution can help manage very complex meshed networks, where protection coordination on secondary network is otherwise impossible. With comprehensive protection and control elements, customers can substantially improve the network and substation performance.

