



HRR

High Speed Grounding Switch
Hookstick Reset

High Speed Grounding Switch Type HRR

Southern States Type HRR high speed grounding switch offers an economical solution for transformer protection in circuits having enough impedance to limit low side fault currents to values below trip settings of source breakers. The automatic switch imposes a deliberate ground fault on the high side, which forces the source breaker to open. The trip circuit for the HRR is generally provided by different relays at the transformer; however, special applications may indicate other arrangements. The HRR will trip at the direction of any relay, so its control is as flexible as its relaying system.

BENEFITS

- Easily disengaged from the contacts and reset with a hookstick
- Can be mounted on face of a column, pedestal, pipe column, or station girder
- Auxiliary switch is isolated from environmental damage
- Vibration or environmental forces cannot cause accidental switch closings

SPECIFICATIONS

Maximum Voltage Rating

15.5 kV – 170 kV

Closing Rating

40 kA

Reset Arm

Hookstick

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RATINGS

Maximum Voltage (kV)	Closing Times (Standard Mounting)	Closing Rating (kA)
15.5 kV	5 cycles	40 kA
27 kV	6 cycles	
38 kV	7 cycles	
48.3 kV		
72.5 kV	9 cycles	
123 kV	13 cycles	
145 kV	14 cycles	
170 kV	15 cycles	

OPTIONAL SPECIFICATIONS

Trip Coil Voltage	Auxiliary Switch	Heater Voltage	Reset Arm
24VDC, 48VDC, 125VDC, 250VDC	4, 6, 8, 10, 12, & 14 pole	115 VAC, 230 VAC	Hookstick

KEY FEATURES

- Tubular aluminum switch blade
- Formed bus copper contact leaves are backed up by precompressed, stainless steel coil springs
- Jaw contact housing and blade tip are cast bronze
- Jaw assembly is flaired to guide the fast moving blade into the contacts
- Operated using a stainless steel coil spring - aluminum cover protects it from sleet, snow, and airborne dirt
- Fully enclosed auxiliary switch
- Grounded to the base by a flexible, tinned copper shunt
- NEMA post or cap insulators and pin as specified
- Aluminum tubing with a cast bronze hookstick eye