



Smart Sectionalizer™

15.5 kV – 38 kV

An Economical Solution For Fault Isolation & Improved System Reliability

The Southern States **Smart Sectionalizer™**, type SLS, is an economical distribution class switching device that offers improved reliability to a distribution system. When integrated into a Supervisory Control and Data Acquisition (SCADA) system, the Smart Sectionalizer™ can be used to detect a fault, notify the SCADA Distribution Management System (DMS), and execute the SCADA DMS command to open and sectionalize the line to minimize outage area and aid in rapid restoration.

FEATURES

- Solid insulation - hydrophobic cycloaliphatic epoxy (HCEP)
- Long life vacuum interrupters
- Magnetic actuators on each phase
- Three (3) current sensors and Six (6) capacitive LEA voltage sensors
- 304 stainless steel mechanism tank
- High-visibility yellow manual trip and lockout handle
- High-visibility position indicator with 360° visibility
- Amber LED fault indicator light

SPECIFICATIONS

Maximum Voltage Ratings

15.5 – 38 kV

Rated Current

630 / 800 / 900 A

Fault Interrupting Ratings

12.5 / 16 kA

Rated Frequency

50 / 60 Hz

CATALOG FLYER

Smart
SectionalizerTM
15.5 kV – 38 kV

RATINGS			
Maximum Voltage (kV)	15.5	27	38
Continuous Current (A)	630 / 800 / 900		
Rated Frequency (Hz)	50 / 60		
Basic Insulation Level (kV)	110 / 150	150 / 170	170
Load Break (A)	630 / 800 / 900		
Symmetrical Interrupting Current (kA)	12.5 / 16		
Asymmetric Peak Making Current (kA)	42		
Magnetizing Current (A)	22		
Line Charging Current (A)	2	5	
Cable Charging Current (A)	10	25	40
60 Hertz Withstand Voltage (kV):			
<i>Dry, one minute</i>	50	60	70
<i>Wet, ten seconds</i>	45	50	60
Partial Discharge (corona) (kV):			
<i>Maximum (pC)</i>	10	19	26
Creepage Distances (mm / in):			
<i>Terminal to Terminal</i>	673 / 26.5	876 / 34.5	1160 / 45.7
<i>Lower Terminal to Ground</i>	679 / 26.7	938 / 36.9	1500 / 59.1
<i>IEC Pollution Class Terminal to Ground</i>	Very Heavy		
Mechanical Life (Close / Open Operations)	10,000		
Ambient Temperature (°C)	-30 to +40		



Control Cabinet with SEL-2411 Control

CONTROL CABINET

- SEL-2411 programmable automation controller
- 120 V AC / 24 V DC converter
- Hygrotherm – To control temperature and humidity
- Local / remote switch with open / close push buttons
- Single 24 V, 10 AH, 10-year lithium ion battery
- SCADA points for Fault indication
- Provisions for customer supplied radio
- MOV surge protection
- Duplex receptacle
- Stainless steel - NEMA 3R box painted ANSI 70 Grey