



LLS[®] - I

Switch with Confidence under all System Conditions.

The LLS[®] family of products will convert any manufacturers' group operated, vertical break disconnect switch to a Load Break disconnect capable of interrupting load, loop splitting, and line dropping currents in the SF₆ environment of the LLS[®] Interrupter. Concerns about whether the switch can safely open under changing conditions are eliminated.

FEATURES

- Single Gap SF₆ puffer interrupter
- Full load break rating through 72.5 kV
- Visual dielectric indication
- Long Life performance – 2000 load break operations
- Maintenance free
- Vertical Break Disconnect Adaptations
 - Horizontal Upright Mount
 - Vertical Mount
 - Southern States ES-1 Transmission Switches

SPECIFICATIONS

Maximum Voltage Ratings

38 kV - 72.5 kV
123kV - 245kV (loop splitting only)

Load Breaking Ratings

2000 A 38 kV to 72.5 kV

Line Dropping Ratings

300 A 38 kV to 72.5 kV

Loop Splitting Ratings

2000 A 38 kV to 245 kV

LLS®-I

LLS®-I	RATINGS		
	Maximum Voltage Rating	38 - 72.5 kV	123 - 245 kV
	Load Breaking Capability	2000 A	N/A ¹
	Line Dropping Capability	300 A	N/A
	Loop Splitting Capability	2000 A	2000 A ²
	Full Load Operations	2000	N/A
	Ambient Temperature Range	-40° C to +50° C	

1. For load break applications above 72.5 kV, see LLS-II catalog flyer or consult factory.

2. The LLS®-I can be utilized for loop splitting applications up to 245 kV as long as the transient recovery voltage (TRV) does not exceed 30 kV.

KEY ADVANTAGES

- Single gap SF₆ puffer interrupters insure disturbance-free switching of loads, lines, loops, power transformers, cables, buses, and reactors
- 2000 full load operations means long-life performance
- Visual dielectric indication via a color coded, temperature compensated gauge provides confident switching and enhanced personnel safety
- Full rated device eliminates concern over switching sequence errors
- Simple toggle mechanism has low operating effort
- Epoxy interrupter housing minimizes device's weight and does not break down or track under the UV rays of the sun
- Can be mounted substation and transmission vertical break switches as well as transmission multi-way switches

