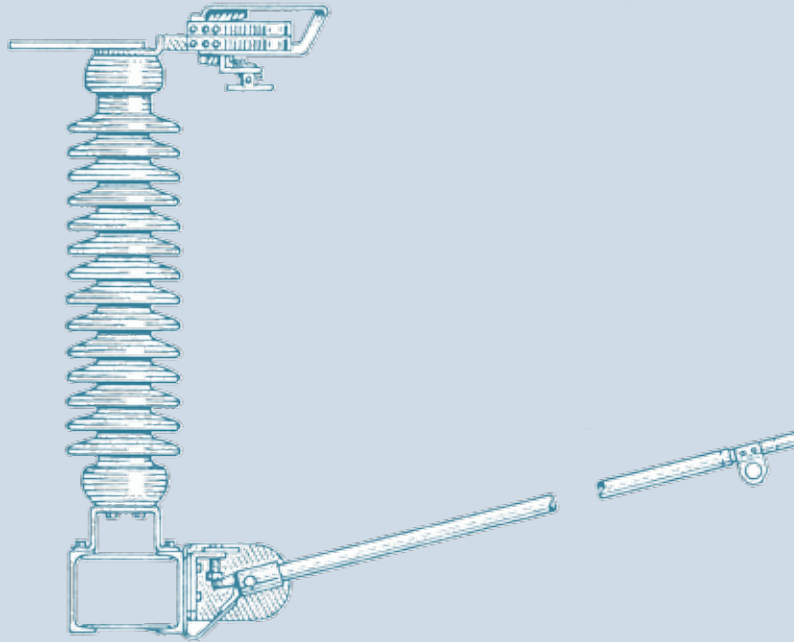


HSG



INTRODUCTION & TYPE TEST DATE : 1962	ANNUAL UNITS PRODUCED : 25	
UNITS IN SERVICE : 1600	CONTINUOUS CURRENT : NOT APPLICABLE	INSULATOR : LAPP
VOLTAGE : 15.5-362 kV	BIL : 110-1300 kV	FAULT CLOSE IN : 40 kA

The HSG high speed ground switch is a single insulator ground switch design. The switch provides an economical means of transformer protection by creating a deliberate fault upon a signal from the transformer protective relays. Fault currents will then trip the remote circuit breaker. With this scheme, a transformer can be de-energized within a few cycles of the transformer relays activating. The HSG can be mounted to a disconnect switch or can be a free standing unit. Resetting the HSG is accomplished either by a hot stick or by a mechanical linkage with an associated operator at ground level.