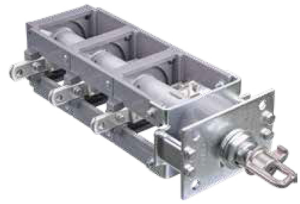
Load break switch

Oil Loadbreak Switch



Description

The two-position Sidewall switch is designed for use in transformer oil, and uses a manually charged over-toggle store spring assembly, which is independent of operator speed. The spring loaded activating mechanism ensures quick load break operation in less than one cycle. The two-position sidewall switch incorporates a double "O" ring shaft sealing system and three types of mounting systems, which include a bolt-in place system, weld-in bracket assembly, or an easy to install ring mount system. Also incorporated into the switch mechanism are internal stops which rest rict the handle orientation to only two positions.

The two-position sidewall switch is hook stick operable and requires minimal input torque to operate. It features tungsten copper contacts to minimize arc erosion and prolong contact life. The switch contacts are factory assembled and gaged to a predetermined spring pressure to ensure uniform contact pressure between the contacts and the blades.

The silver-plated copper blades are securely keyed between the vented rotor halves which ensure proper blade and contact alignment during switching. All of these features make the two-position switch a reliable, no-maintenance switch product.

Specifications

Description		Units	2 positions		4 positions	
Rated Voltage		kV	12	24	12	24
Power Frequency	to ground and phase	kV	55		55	
	Isolating distance	kV	60		60	
Lighting Impulse	to ground and phase	kV	125		125	
	Isolating distance	kV	145		145	
Rated current		A	630		630	
Rated short-time withstand current/2S		kA	20		20	
Rated peak value withstand current		kA	50		50	
Main resistance		μΩ	⩾ 200		⩾ 200	
Operating torque		N.m	⩽ 50		⩽ 50	
Mechanical life		Times	> 2000		> 2000