



SWITCHING DEVICES

SF6 Gas Load Break Switch

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Technical data

Description	SF6 Gas Load Break Switch	
Rated voltage (kV)	24	36
Model/Type	ORAP21-396-20MT	
Switching operation class	E 3	
Mechanical endurance class	M 2	
Insulation		
Lightning impulse withstand voltage		
-To earth and between phase (kVpeak)	125	170
-Across the isolating distance (kVpeak)	145	195
Power frequency withstand voltage		
-To earth and between phase (kV)	50	70
-Across the isolating distance (kV)	60	80
Rated frequency (Hz)	50	
Rated normal current (A)	630	630
Rated systematical interrupting current (A)	630	
Rated short-time withstand current (kArms)	12.5, 16*	12.5, 16*
Rated short-circuit making current (kApeak)	31.5, 40*	31.5, 40*
Rated short-circuit duration (second)	1	
Rated mainly active load breaking capacity (A)	630	
Number of operations at rate normal current interruption (cycle)	400	
Mechanical endurance, in number of operation (cycle)	2,000	
Rate filling pressure (kgf/cm2)	1.2	
Pressure of SF6 when locking device operate (kgf/cm2)	0.8	
IP class	IP67	
Cable spacing (C), (mm.)	250	
Power cable include (m.)	2.5	
Weight (kg.)	Min. 150	Min. 235
Dimension (W x L x H) (mm.)	1,060 x 1,063 x 555	1,155 x 1,063 x 555
Standard	IEC60265-1, IEC60694	

Note: * Made to order