

Technical parameters:

Products Type	FWX-12	FWX-24	FWX-36
Basic Ratings			
Maximum System Voltage	12kV	24kV	36kV
Rated Continuous Current	630A	630A	630A
Rated Frequency	50/60Hz	50/60Hz	50/60Hz
Short Time Withstand Current	12.5kA/1sec	16kA/1sec	16kA/1sec
Making and Breaking Capacity			
Mainly Active Load Current	630A	630A	630A
Number of Load-break Operations	400times	400times	400times
Short-circuit Making Current (peak)	31.5kA	40kA	40kA
Number of Making Operations	5 times	5 times	5 times
Cable Charging Current	25A	25A	25A
Line Charging Current	1.5A	1.5A	1.5A
Closed Loop Circuit Current	630A	630A	630A
Transformer Magnetizing Current	22A	22A	22A
Power Frequency Withstand Current Test			
Wet Condition-10sec Ph- Ph-Eth, Across Interrupters	45kV	50kV	70kV
DryCondition-1min, Ph- Ph,Phase to Earth	50kV	64kV	95kV
Dry Condition - 1 min Across Interrupter	50kV	79kV	110kV
Impulse Withstand Current Test(1.2 x 50 μs)			
Phase to Phase, Phase to Earth	75kV	125kV	195kV
Across Interrupter	85kV	145kV	215kV
Other Ratings & Specifications			
Internal Arc Test	20kA /0.1 sec	20kA /0.1 sec	20kA /0.1 sec
Arc Extinction Medium	SF ₆ Gas	SF ₆ Gas	SF ₆ Gas
Insulation Medium	SF ₆ Gas	SF ₆ Gas	SF ₆ Gas
Creep age Distance (Porcelain)	380mm	700mm	1055mm
Creep age Distance (Silicon)	780mm	1200mm	1550mm

Dry arcing distance	$\geq 200\text{mm}$	\geq	\geq
IP Level	65	65	65
Operation Performance			
Closing/Opening Time	<1sec	<1sec	<1sec
Mechanical Operations (Guaranteed)	10000times	10000times	10000times
Operating Temperature (*Manual Type)	-25~+70℃	-25~+70℃	-25~+70℃
Gas Pressure			
Nominal Pressure (MPa, at 20℃)	0.07	0.07	0.07
Bursting Pressure (MPa)	0.4~0.6	0.4~0.6	0.4~0.6
Minimum Gas Pressure (MPa)	0.05	0.05	0.05
Leakage Rate (cc/ sec)	$\leq 0.5\%$	$\leq 0.5\%$	$\leq 0.5\%$
Voltage sensors			
CT ABC 10P10 5VA	400:5	400:5	400:5
Incoming side and outgoing side of voltage sensor	6 Voltage sensor (built-in) Phase voltage: $(24 (36) \text{ kV}/\sqrt{3}) / (3.25\text{V}/\sqrt{3})$		
	Special attention should be paid to the voltage sensor, which must be directly fed by the switch. No additional adjustment circuit can be added in the controller. The voltage signal of the switch into the test line needs to be tested separately.		