

Main Technical Data of 72.5kV-550kV Dead Tank Circuit Breaker

Electrical Parameters					
PRODUCT TYPE	LW58A-72.5	LW58A-145	LW58A-252	LW58A-420	LW58A-550
Applied standard	IEEE/ANSI、CSA				
Lead time (DDP after the drawing approved)	14 weeks	14-18 weeks	14-18 weeks	22-26 weeks	26 weeks
Rated voltage (kV)	72.5	145	245	362	550
Rated frequency (Hz)	60	60	60	60	60
Rated continuous current (A)	4000	3150/4000	4000	4000/5000	5000
Rated short circuit breaking current (kA)	40	40/63	50/63	50/63	63
Rated peak withstand current (kA)	104	104/164	130/164	135/171	171
Specific creepage distance (mm/kV)	25/31	25/31	25/31	25/31	25/31
Rated short-time power-frequency withstand voltage (kV): To earth	160	275	460	650	740
Rated lightning impulse withstand voltage (kV): To earth	350	650	1050	1425	1675
First pole to clear factor	1.3/1.5	1.3/1.5	1.3/1.5	1.3	1.3
Rated short-time withstand duration(s)	4	4	3	3	3
Mechanical Parameters					
PRODUCT TYPE	LW58A-72.5	LW58A-145	LW58A-252	LW58A-420	LW58A-550
Type of mechanism	Spring	Spring	Spring	Spring	Spring
Mechanical endurance (times)	10000	10000	10000	10000	10000
Rated operating sequence	O-0.3s-CO-15s-CO				
Breaking time (ms)	50 (3 cycles)	50 (3 cycles)	50 (3 cycles)	50 (3 cycles)	50 (3 cycles)
Three phase operation/single phase	3P/1P	3P/1P	3P/1P	1P	1P
Leakage of SF6 gas per year (%)	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5
Weight (kg)	3400	3700	7200	11000	24300