

Main Technical Data of 123kV-550kV Vertical Break Switch

Electrical Parameters					
PRODUCT TYPE	GW23B-126	GW23B-145	GW23B-252	GW23B-363/420	GW23B-550
Applied standard	IEEE/ANSI、CSA				
Lead time (DDP after the drawing approved)	18weeks	18weeks	20weeks	25weeks	25weeks
Rated voltage (kV)	123	145	245	362	550
Rated frequency (Hz)	60	60	60	60	60
Rated continuous current (A)	4000	2500	5000	5000	5000
Rated short circuit breaking current (kA)	50	50	63	63	63
Rated peak withstand current (kA)	130	130	164	164	164
Specific creepage distance (mm/kV)	25/31	25/31	25/31	25/31	25/31
Rated short-time power-frequency withstand voltage (kV)	230/265	275/315	460/530	650/900	740/1050
Rated lightning impulse withstand voltage (kV)	550/630	650/750	1050/1200	1425/1425 (+240)	1675/1675 (+315)
Rated short-time withstand duration(s)	3	3	3	3	3

Mechanical Parameters					
PRODUCT TYPE	GW23B-126	GW23B-145	GW23B-252	GW23B-363/420	GW23B-550
Type of mechanism	Motor/Manual	Motor/Manual	Motor/Manual	Motor/Manual	Motor/Manual
Mechanical endurance (times)	10000	10000	10000	10000	10000
Number of earthing switch	0ES/1ES/2ES	0ES/1ES/2ES	0ES/1ES/2ES	0ES/1ES/2ES	0ES/1ES/2ES
Three phase operation/single phase	3P/1P	3P/1P	3P/1P	3P/1P	3P/1P
Open time (s)	8±3	8±3	14±4	14±4	14±4
Close time (s)	8±3	8±3	14±4	14±4	14±4
Weight (kg)	1050	1210	2240	3685	5820



Main Technical Data of 38kV-550kV Center Break Switch

Electrical Parameters								
PRODUCT TYPE	GW4A-40.5	GW4A-72.5	GW4A-126	GW4A-145	GW4A-170	GW4C-252	GW4-363/420	GW4-550
Applied standard	IEEE/ANSI, CSA							
Lead time (DDP after the drawing approved)	13weeks	18weeks	18weeks	18weeks	20weeks	20weeks	25weeks	25weeks
Rated voltage (kV)	38	72.5	123	145	170	245	362	550
Rated frequency (Hz)	60	60	60	60	60	60	60	60
Rated continuous current (A)	5000	5000	4000	4000	3150	4000	4000	4000
Rated short circuit breaking current (kA)	50	50	50	50	50	63	63	63
Rated peak withstand current (kA)	130	130	130	130	130	164	164	164
Specific creepage distance (mm/kV)	25/31	25/31	25/31	25/31	25/31	25/31	25/31	25/31
Rated short-time power-frequency withstand voltage (kV)	80/90	140/160	230/265	275/315	325/375	460/530	650/900	740/1050
Rated lightning impulse withstand voltage (kV)	185/215	325/375	550/630	650/750	750/860	1050/1200	1425/1425 (+240)	1675/1675 (+315)
Rated short-time withstand duration(s)	4	4	3	3	3	3	3	3

Mechanical Parameters								
PRODUCT TYPE	GW4A-40.5	GW4A-72.5	GW4A-126	GW4A-145	GW4A-170	GW4C-252	GW4-363/420	GW4-550
Type of mechanism	Motor/Manual	Motor/Manual	Motor/Manual	Motor/Manual	Motor/Manual	Motor/Manual	Motor/Manual	Motor/Manual
Mechanical endurance (times)	10000	10000	10000	10000	10000	10000	10000	10000
Number of earthing switch	0ES/1ES/2ES	0ES/1ES/2ES	0ES/1ES/2ES	0ES/1ES/2ES	0ES/1ES/2ES	0ES/1ES/2ES	0ES/1ES/2ES	0ES/1ES/2ES
Three phase operation/single phase	3P/1P	3P/1P	3P/1P	3P/1P	3P/1P	3P/1P	3P/1P	3P/1P
Open time (ms)	6±3	6±3	6±3	6±3	6±3	14±4	14±4	14±4
Close time (ms)	6±3	6±3	6±3	6±3	6±3	14±4	14±4	14±4
Weight (kg)	590	855	920	980	1210	1745	3430	5060



Main Technical Data of 38kV-800kV Double End Break Switch

Electrical Parameters								
PRODUCT TYPE	GW7B-40.5	GW7B-72.5	GW7B-145	GW7B-170	GW7B-252	GW7B-363/420	GW7B-550	GW7B-800
Applied standard	IEEE/ANSI、CSA							
Lead time (DDP after the drawing approved)	18weeks	18weeks	20weeks	20weeks	20weeks	25weeks	25weeks	25weeks
Rated voltage (kV)	38	72.5	145	170	245	362	550	800
Rated frequency (Hz)	60	60	60	60	60	60	60	60
Rated continuous current (A)	4000	4000	4000	4000	5000	5000	4000	5000
Rated short circuit breaking current (kA)	50	50	50	50	63	63	63	63
Rated peak withstand current (kA)	130	130	130	130	164	164	164	164
Specific creepage distance (mm/kV)	25/31	25/31	25/31	25/31	25/31	25/31	25/31	25/31
Rated short-time power-frequency withstand voltage (kV)	80/90	140/160	275/315	325/375	460/530	650/900	740/1050	830/1150
Rated lightning impulse withstand voltage (kV)	185/215	325/375	650/750	750/860	1050/1200	1425/1425 (+240)	1675/1675 (+315)	2100/2100 (+455)
Rated short-time withstand duration(s)	4	4	3	3	3	3	3	3

Mechanical Parameters								
PRODUCT TYPE	GW7B-40.5	GW7B-72.5	GW7B-145	GW7B-170	GW7B-252	GW7B-363/420	GW7B-550	GW7B-800
Type of mechanism	Motor/Manual	Motor/Manual	Motor/Manual	Motor/Manual	Motor/Manual	Motor/Manual	Motor/Manual	Motor/Manual
Mechanical endurance (times)	10000	10000	10000	10000	10000	10000	10000	10000
Number of earthing switch	0ES/1ES/2ES	0ES/1ES/2ES	0ES/1ES/2ES	0ES/1ES/2ES	0ES/1ES/2ES	0ES/1ES/2ES	0ES/1ES/2ES	0ES/1ES/2ES
Three phase operation/single phase	3P/1P	3P/1P	3P/1P	3P/1P	3P/1P	3P/1P	3P/1P	3P/1P
Open time (ms)	6±3	6±3	6±3	6±3	14±4	14±4	14±4	21±5
Close time (ms)	6±3	6±3	6±3	6±3	14±4	14±4	14±4	21±5
Weight (kg)	650	830	1140	1320	2280	4580	6640	17450

