

FKW18 Outdoor MV Air Load Break Switch

Standard and versatile load break switch for all primary applications



40.5kV, 800A, 50kA, 50Hz,
Full accessories for diverse outdoor pole mounting.
Modular arc-quenching design, easy manual operation.
Three-phase air insulation, stable breaking for medium voltage grid.
10,000 maintenance-free operations, long service life and low upkeep.



Provided customized manufacture
Whole solutions for design, assembly, test...
Accountable solution for safety and reliability
Wide range offering, easy business and convenient installation

ROCKWILL®

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Technical Parameters

No	Item	Unit	Data
1	Rated voltage	kV	40.5
2	Rated current	A	800
3	Rated frequency	Hz	50
4	Rated peak withstand current	kA	50
5	Rated short-time withstand current	kA	20
6	Rated short-time withstand current duration	S	4
7	Rated active load breaking current	A	800
8	Rated closed-loop breaking current	A	800
9	Rated cable charging current	A	10
10	Rated active load breaking current	A	31.5
11	No-load transformer current opening rated capacity	kVA	1250
12	Rated short circuit switching current	kA	50
13	Main circuit resistance	$\mu\Omega$	≤ 95
14	1 min Power frequency withstand voltage (valid value) - Dry: Interphase, phase to earth	kV	95
	1 min Power frequency withstand voltage (valid value) - Dry: isolating fracture	kV	15
	1 min Power frequency withstand voltage (valid value) - Wet: Interphase, phase to earth	kV	85
15	Lightning impulse withstand voltage (peak) - Interphase, phase to earth	kV	185
	Lightning impulse withstand voltage (peak) - isolating fracture	kV	215
16	Mechanical life	Times	2000
17	Different Periods of Three-phase Separation and Closing	ms	≤ 15
18	Motor voltage, power	V W	220 \leq 200
19	Deflection of blade rigid position	mm	≤ 5
20	Main contact blade pressure	N	420 \pm 42
21	Contact blade opening distance	mm	≥ 360
22	Rated operating torque	N-m	≤ 300