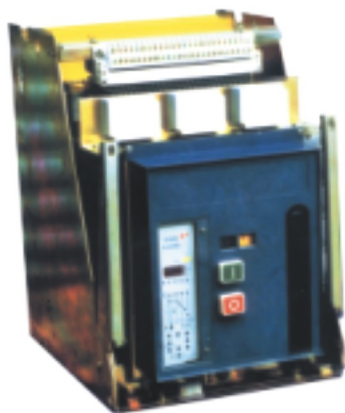


DK5-1600 Intelligence Environmental Protection Low Voltage Vacuum Circuit Breaker



► General

DK5-1600 intelligence low voltage vacuum circuit breaker with the rated voltage 380~1140V, rated current 630~1600A, adapts to distribution electrical energy in the low voltage AC distribution system, protecting the line and the power equipment against the damage of overload, under-voltage, short-circuits, single-phase earth and so on breakdown. This circuit breaker uses ST30-M intelligence release, has many kinds of protection function, which may realize the selective protection, and the movement is accurate. It also may equip with communication connection according to the user's requirement to realize remote control, remote regulating and remote measuring circuit breaker in a kilometer realization.

Comparing with the air circuit breaker, this product has longer service life, much more short-circuit times, stronger extinguishing of arc ability, it really realize zero flashover. At present it may use in the place where air circuit breaker is unable or not suitable (for example: high request at the power supply reliability: Does not allow frequently power cut to overhaul; Operation frequently; easy to be fire, the explosion hazard and so on the adverse environmental conditions).

► Main Technical Parameter

Compare DK5-1600 parameters with DW45 and 3WSI same specification

Type		DK5	DW45	3WSI
Frame current (A)		1600	2000	1600
Rated current (A)		630-1600	1000-2000	630-1600
Rated insulation voltage (V)		1140	1000	1000
Rated working voltage (V)		380-1140	380	400-690
Limit breaking performance	Ics(kA)	65	50	50
		16 time	2 time	2 time
	Icu(kA)	70	80	50
	Icw(kA)	40	50	50
Operating Performance (times)		10000	3000	30000
Overall dimensions (W x H x D)	Fixed type	369 × 435 × 428	379 × 323 × 324	336 × 515 × 430
	Draw-out type	392 × 550 × 530	375 × 476 × 439	360 × 590 × 516

Compare DK5-1600 parameters with DW45 and 3WSI same specification

Item		IEC947-2	This product engineering factor	Comparison conclusion
Highest rated voltage (v)		1000	1140	Higher than IEC
Rated current (a)		630、800、1000、1250、1600	630、800、1000、1250、1600	Same
Power frequency withstand resistance (V/Lmin)		3500	4200	Higher than IEC
Serviceability	Electricity life	500	1000	Higher than IEC
	Mechanical life	2500	9000	Higher than IEC
limit breaking performance	Ics(kA)	60	65	Same
		2 time	16 time	Higher than IEC
	Icu(kA)	60	70	Same
	Icw(kA)	40/50	40/50	Same