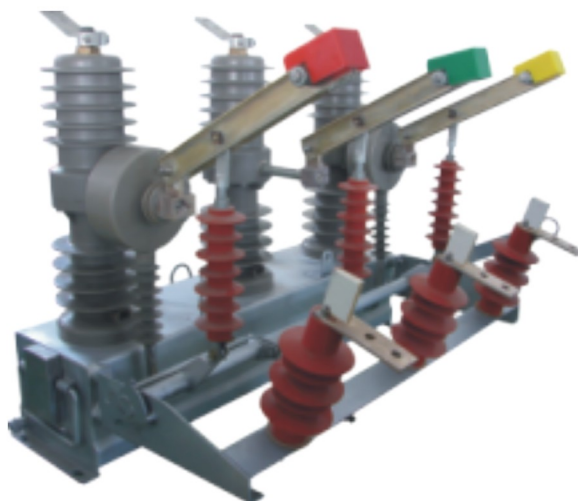


ZW32-12 Series Column Type Outdoor Vacuum Circuit-Breaker



► General

ZW32-12 series column type outdoor high vacuum circuit breaker is three-phase AC 50Hz, rated voltage 12kV outdoor high-voltage switch equipment. It is suitable for dropout, closing load current, overload current and short-circuit current of the city or the rural electrical power distribution system.

Circuit breaker is brand-new miniaturized design, entire seal structure, unique explosion chamber seal technology, good sealing property, moisture-proof, guards against congeals dew, which is suitable for the high temperature and moist area.

ZW32-12G circuit breaker isolator combination electric appliance is composed by ZW32 circuit breaker and isolator two parts.

► Main Technical Parameter

Item		Unit	ZW32-12/ T400-12.5	ZW32-12/ T630-16	ZW32-12/ T630-20
Rated voltage		kV	12		
Rated current		A	400	630	630
Rated short circuit breaking current		kA	12.5	16	20
Rated short circuit making current (peak value)			31.5	40	50
Rated peak value withstand current			31.5	40	50
Rated short circuit withstand current			12.5	16	20
Rated short circuit duration		S	4		
Rated insulation level	1min Power frequency withstand voltage	kV	Phase to phase, to ground 42, fracture 48		
	Lightning impulse withstand voltage (peak value)		Phase to phase, to ground 75, fracture 85		
Rated sequence of operations			O -0.3s- CO -180s- CO		
Rated short-circuit current breaking times		Time	30		
Mechanical life			10000		
Rated operation voltage (opening-closing coil)		V	DC 220、110、 AC220、110		

Vacuum Switch Series

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Following above table

Item		Unit	ZW32-12/ T400-12.5	ZW32-12/ T630-16	ZW32-12/ T630-20
Moving and fixed contact allowance wearing cumlation thickness		mm	3		
Over-current release nominal current		A	5		
Current transformer ratio			200/5	400/5	600/5
Clearance between open contacts		mm	9 ± 1		
Contact overtravel			2 ± 0.5		
Average opening speed		m/s	1.2 ± 0.3		
Average closing speed			0.6 ± 0.2		
Opening time		ms	20~40		
Closing time			30~60		
Closing bounce time			≤ 2		
Three-phase switch closing/opening synchroneity			≤ 2		
Each phase loop DC resistance		μ Ω	≤ 80		
Stored energy electrical machinery	Rated voltage	V	DC220、110 AC220		
	Rated power	W	≤ 40		
	Stored energy time	S	≤ 8		
Weight		Kg	85		

► Overall and installation dimensions

