

VACUUM CIRCUIT BREAKER

ZW32-12

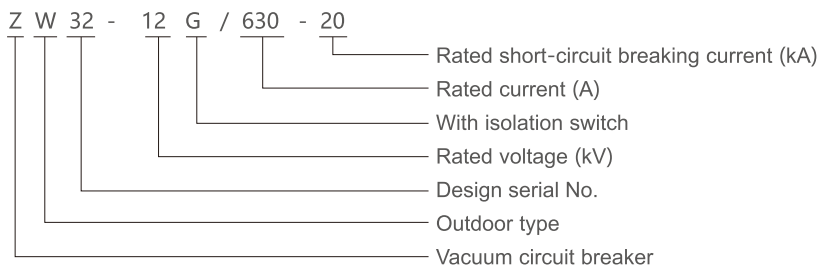
Outdoor type High voltage
AC Vacuum circuit breaker



Description

ZW32-12 Outdoor high voltage vacuum circuit breaker is the outdoor high voltage switch equipment with three phase AC50Hz, Rated voltage of 12kV, it is suitable for breaking and closing the load current, overload current and short-circuit current of the urban or rural power distribution system.

Model No. and its implication



Main technical parameter

		Unit	ZW32-12/630-20	ZW32-12/630-25
Rated voltage		kV	12	
Rated current		A	630 1250	
Rated short-circuit breaking current		kA	20	25
Rated short-circuit closing current(peak)			50	63
Rated peak withstand current			50	63
Rated short-time withstand current			20	25
Rated short-circuit continuous time		s	4	
Rated insulation level	Lightning impulse withstand voltage (peak)	kV	Interphase, to ground 75, fracture85	
	1min power frequency withstand voltage		Interphase, to ground 42, fracture48	
Rated operation sequency			O-0.3s-CO-180s-CO(Electric operation)	
Rated short-circuit current breaking time		Cycles	30	
Electrical life			10000	
Rated operating voltage (Opening and closing coil)		V	DC220,110,AC220	
Moving and fixing contacts allowable accumulated thickness		mm	3	
Rated current of over-current tripping		A	5	
Current ration of current transformer (regular)			200/5 400/5 630/5	

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		Unit	ZW32-12/630-20	ZW32-12/630-25
Contact opening distance		mm	9±1	
Contact overstroke			2 ⁺¹ _{-0.5}	
Average opening speed		m/s	1.2±0.2	
Average closing speed			0.6±0.2	
Opening time		ms	15~50	
Closing time			25~80	
Closing tripping time			≤2	
Three phase opening and closing synchronism			≤2	
Each phase circuit DC resistance		mΩ	≤80	
Energy storage motor	Rated voltage	V	DC/AC 220	
	Rated power	W	70	
	Energy storage time	S	≤8	
Weight		kg	100	

Overall and installation dimensions

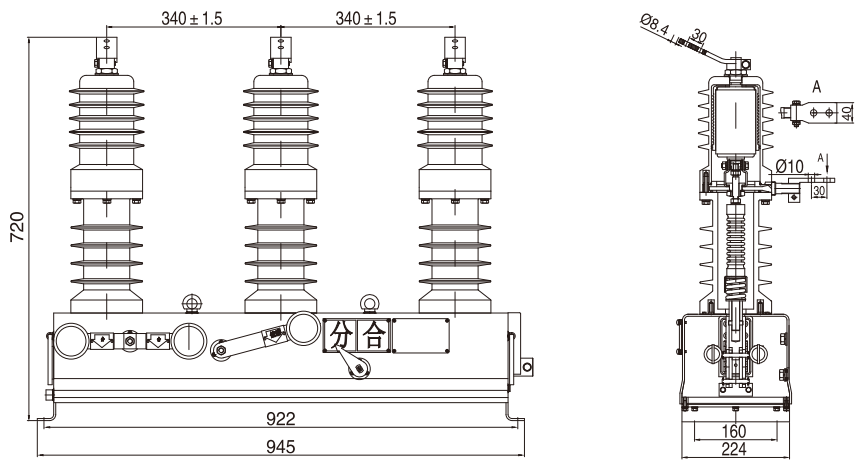


Diagram 1 ZW32-12 Outdoor high voltage vacuum circuit breaker

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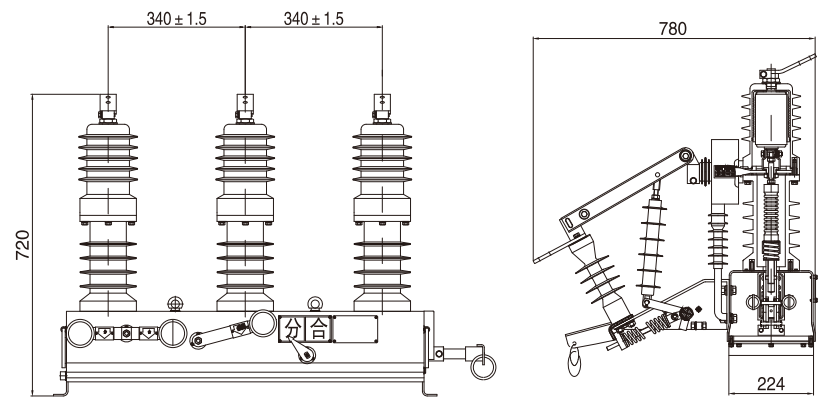


Diagram 2 ZW32-12(G) Outdoor high voltage vacuum circuit breaker

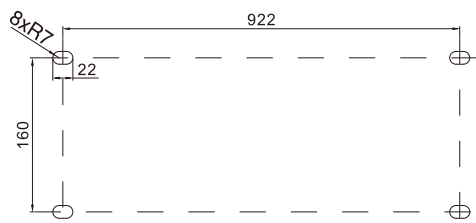


Diagram 3 ZW32-12(G) Outdoor high voltage vacuum
circuit breaker installation dimension