



**WVS-TECHNOLOGY**

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WALTER V. STEINFELD, DIPL.-ING.

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## VACUUM CONTACTOR

## SERIES JCZ5-7.2J / JCZ5-12J

The series JCZ-5 of high-voltage vacuum contactor are suitable for the distribution system of metallurgy, mine, petro-chemistry and building, to control the equipments used electricity such as high-voltage motor of 6kV or under 6kV, transformer and capacitive loading etc. Especially suitable for frequent operation domain. Because of its small volume, light weight and packaged design of upper and lower arrangement, prevalent in the world. It is convenient to use and maintain, and is easy to form the complete equipment of F-C loop.



### Main Technical Parameters

Type		JCZ5-7.2J(D)			JCZ5-12J(D)	
Rated Voltage		7.2kV			12kV	
Rated current		200A	400A	630A	400A	630A
Rated turn-on current		2000A	4000A	6300A	4000A	6300A
Rated interrupted current in maximum		1600A	3200A	5040A	3200A	5040A
Rated operating voltage		110/220V.AC			110/220V.AC	
Contacts' Industrial Frequency Bearing Voltage in OFF status		32kV			42kV	
Switch-on coil pick-up voltage		≤DC6/3A			≤DC6/3A	
Coil and current maintenance		DC0.32/0.16A			DC0.32/0.16A	
Switch-off coil trip current		DC2.5/1.3A			DC2.5/1.3A	
Rated operating frequency		300Hz			300Hz	
Mechanical life		30×10 <sup>4</sup> times			30×10 <sup>4</sup> times	
Electricity life	AC-3	25×10 <sup>4</sup> times			25×10 <sup>4</sup> times	
	AC-4	10×10 <sup>4</sup> times			10×10 <sup>4</sup> times	
Contact open space		4.5 <sup>+1</sup> <sub>-0.5</sub> mm			6 <sup>+1</sup> <sub>-0.5</sub> mm	
super distance		1.5±0.5mm			1.5±0.5mm	
Switch-on average speed		0.15±0.05mm/s			0.2±0.1mm/s	
Switch-off average speed		0.45±0.15mm/s			0.6±0.1mm/s	
Three phases switch-on synchronism		≤2.0ms			≤2.0ms	
Contact spring time		≤5.0ms			≤5.0ms	
Switch-on time		≤150ms			≤150ms	
Fixed switch-off time		≤50ms			≤50ms	
Several phases conductive circuit resistance(20°C)		≤250μΩ			≤250μΩ	
Contact spring length in switch-on condition		36±1mm			36±1mm	
Weight		about 28kgs			about 32kgs	



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Rated operating voltage (V)	Rated heat current (A)	Service life (times)		Usage mode	Rated operating current (A)	
		mechanics	electrics		DC	AC
AC 220	6	$\geq 5 \times 10^6$	$\geq 2 \times 10^5$	DC11	4	0.4
DC 380	6			AC11		

