

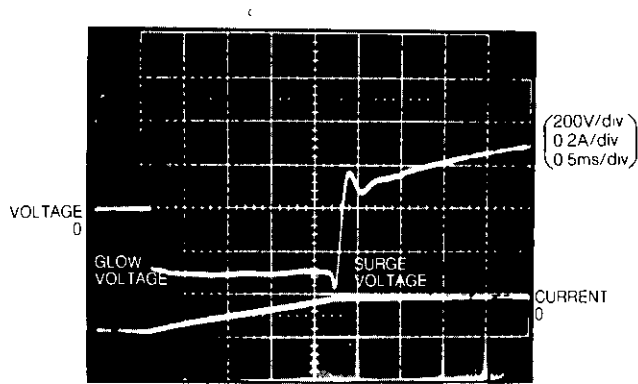
□ SURGE VOLTAGE AT BREAKING OF INDUCTIVE LOADS

• Breaking AC inductive load

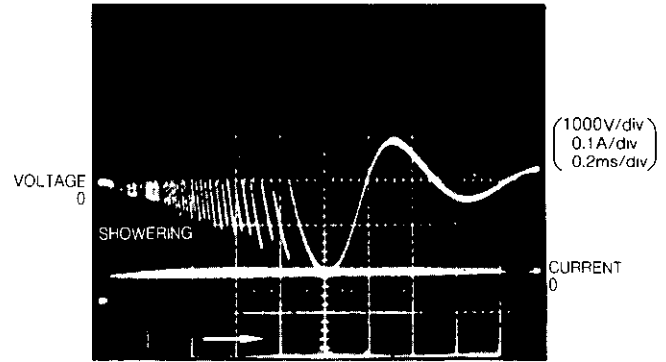
Load: 240VAC, 60Hz		Surge Voltage (V)		
Contactor Type		NEMA Size0	NEMA Size2	NEMA Size4
Sample	Bestact	500	450	500
	Conventional Relays	1700 to 2000	1000 to 1500	800 to 1200

• Breaking DC inductive load

Load: 115 VDC		Surge Voltage (V)	
		Valve Loads $I=0.2A \tau=130ms$	Yaskawa's Relay Type RAP-6G $I=27mA \tau=25ms$
Sample	Bestact	400 to 500	500 to 600
	Conventional Relays	Unstable breaking	1500 to 1700



Breaking Waveform of Bestact



Breaking Waveform of Conventional Relay

Typical Waveforms at Breaking AC Inductive Loads