

## Capacitor unit

Capacitor unit is connected to the terminals of the contactor to reduce the high inrush current.  
IEC 60947-5-1



Type (AUX Contact 1b)			AC-9 (1b)	AC-50 (1b)	AC-75 (1b)
Rating thermal current (Ith)			16A	16A	16A
Current	AC-15	Rated Operational Current (A)	120V	6	6
			240V	3	3
			380V	1.9	1.9
			480V	1.5	1.5
			500V	1.4	1.4
			600V	1.2	1.2
	DC-13	Rated Operational Current (A)	125V	0.55	0.55
			250V	0.27	0.27
			400V	0.15	0.15
			500V	0.13	0.13
			600V	0.1	0.1

### Features of capacitor unit (Pre-loading resistor)

- Damping resistor that can limit the inrush current upto  $60 \times I_n$  is connected to the mechanism that closed earlier than the main contact of the contactor
- No heat loss by the serial resistor
- Eliminate the switching surge
- Improving the performance of the capacitor system

### Operation sequence

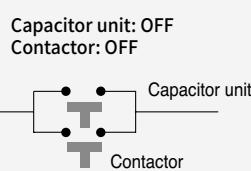


Fig.1

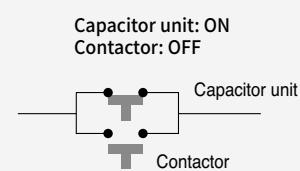


Fig.2

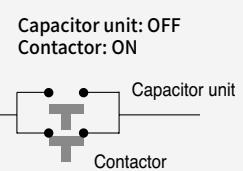


Fig.3

Note) Closing sequence: Fig.1 => Fig.2 => Fig.3  
Opening sequence: Fig.3 => Fig.1

