

# Capacitor contactors

## Description

Capacitor unit(Pre-loading resistor) is connected to the terminals of the contactor to reduce the high inrush current exceeding  $20 \times I_n$ .

- AC control coil on selection
- 3-pole(NO) main contact
- Finger proof design
- DIN rail or screw mountable
- IEC 60947-4-1 AC 6b

## Rating

Type	Rating (kVar, A)			
	220~240V	400~440V	500~550V	600~690V
MC-9b with AC-9	5kVar 13A	9.7kVar 14A	14kVar 16A	16kVar 15A
	MC-12b with AC-9	6.7kVar 18A	12.5kVar 18A	18kVar 21A
MC-18b with AC-9		8.5kVar 22A	16.7kVar 24A	24kVar 28A
	MC-22b with AC-9	10kVar 26A	18kVar 26A	26kVar 30A
MC-32a with AC-9		15kVar 39A	25kVar 36A	36kVar 42A
	MC-40a with AC-9	20kVar 52A	33.3kVar 48A	48kVar 55A
MC-50a with AC-50		20kVar 52A	40kVar 58A	58kVar 67A
	MC-65a with AC-50	25kVar 66A	45.7kVar 66A	66kVar 76A
MC-75a with AC-75		29.7kVar 78A	54kVar 78A	78kVar 90A
	MC-85a with AC-75	35kVar 92A	60kVar 87A	92kVar 106A
MC-100a with AC-75		37kVar 97A	62kVar 89A	94kVar 109A

Type	Rating (kVar, A)	
	500~550V	600~690V
MC-9b	4kVar 4.6A	3.5kVar 3.4A
	MC-12b	4kVar 4.6A
MC-18b		5kVar 5.8A
	MC-22b	8kVar 9.2A
MC-32a		17kVar 20A
	MC-40a	25kVar 29A
MC-50a		30kVar 35A
	MC-65a	40kVar 46A
MC-75a		50kVar 58A
	MC-85a	55kVar 64A
MC-100a		60kVar 69A
	MC-130a	70kVar 81A
MC-150a		90kVar 104A
	MC-185a	120kVar 139A
MC-225a		130kVar 150A
	MC-265a	140kVar 162A
MC-330a		185kVar 214A
	MC-400a	195kVar 225A
MC-500a		330kVar 381A
	MC-630a	340kVar 393A
MC-800a		370kVar 427A

- Note) 1. When the switch is closed condenser must be discharged before recharged. (Maximum residual voltage at terminals  $\leq 50V$ )  
 2. To prevent short current, gG type fuse must be 1.5~2 times than rated current.



## Coil voltage

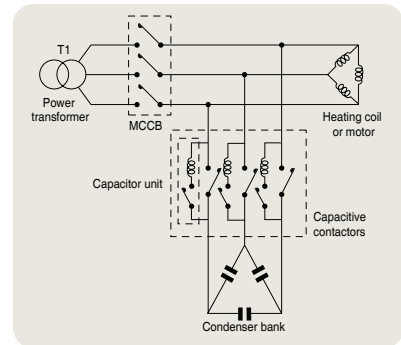
AC	50Hz	24, 32, 42, 48, 80, 100, 110, 220, 230, 240, 380, 400, 500, 550V
	60Hz	24, 48, 100, 110, 120, 200, 208, 220, 230, 240, 277, 380, 480, 600V

These capacitive contactors are suitable for switching single-step or multiple-step condenser bank.

It is standardized by IEC-60947-4941, UL and CSA.

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



Example