

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



Type	Rating (kVar, A)			
	220~240V	400~440V	500~550V	600~690V
MC-9b with AC-9	5kVar	9.7kVar	14kVar	16kVar
	13A	14A	16A	15A
MC-12b with AC-9	6.7kVar	12.5kVar	18kVar	18kVar
	18A	18A	21A	17A
MC-18b with AC-9	8.5kVar	16.7kVar	24kVar	26kVar
	22A	24A	28A	25A
MC-22b with AC-9	10kVar	18kVar	26kVar	30kVar
	26A	26A	30A	29A
MC-32a with AC-9	15kVar	25kVar	36kVar	40kVar
	39A	36A	42A	38A
MC-40a with AC-9	20kVar	33.3kVar	48kVar	53kVar
	52A	48A	55A	51A
MC-50a with AC-50	20kVar	40kVar	58kVar	65kVar
	52A	58A	67A	63A
MC-65a with AC-50	25kVar	45.7kVar	66kVar	73kVar
	66A	66A	76A	70A
MC-75a with AC-75	29.7kVar	54kVar	78kVar	85kVar
	78A	78A	90A	82A
MC-85a with AC-75	35kVar	60kVar	92kVar	100kVar
	92A	87A	106A	96A
MC-100a with AC-75	37kVar	62kVar	94kVar	105kVar
	97A	89A	109A	101A

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
DC	DC	12, 20, 24, 48, 60, 80, 100, 110, 125, 200, 220, 250V

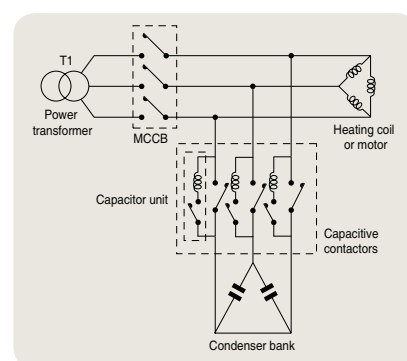
These capacitive contactors are suitable for switching single-step or multiple-step condenser bank.

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

Type	Ith	Rating (kVar, A)	
		500~550V	600~690V
MC-9b	25	4kVar	3.5kVar
		4.6A	3.4A
MC-12b	25	4kVar	4kVar
		4.6A	3.8A
MC-18b	40	5kVar	4.5kVar
		5.8A	4.3A
MC-22b	40	8kVar	8kVar
		9.2A	7.7A
MC-32a	50	17kVar	14kVar
		20A	13A
MC-40a	60	25kVar	18kVar
		29A	17A
MC-50a	70	30kVar	25kVar
		35A	24A
MC-65a	100	40kVar	35kVar
		45A	34A
MC-75a	110	50kVar	40kVar
		58A	38A
MC-85a	135	55kVar	45kVar
		64A	43A
MC-100a	160	60kVar	48kVar
		69A	46A
MC-130a	160	70kVar	60kVar
		81A	58A
MC-150a	210	90kVar	78kVar
		104A	75A
MC-185a	230	120kVar	100kVar
		139A	96A
MC-225a	275	130kVar	105kVar
		150A	101A
MC-265a	300	140kVar	115kVar
		162A	111A
MC-330a	350	185kVar	140kVar
		214A	135A
MC-400a	450	195kVar	160kVar
		225A	154A
MC-500a	580	330kVar	290kVar
		381A	279A
MC-630a	660	340kVar	300kVar
		393A	289A
MC-800a	900	370kVar	320kVar
		427A	308A



Example