



Powering Control Solutions

Modular Contactor



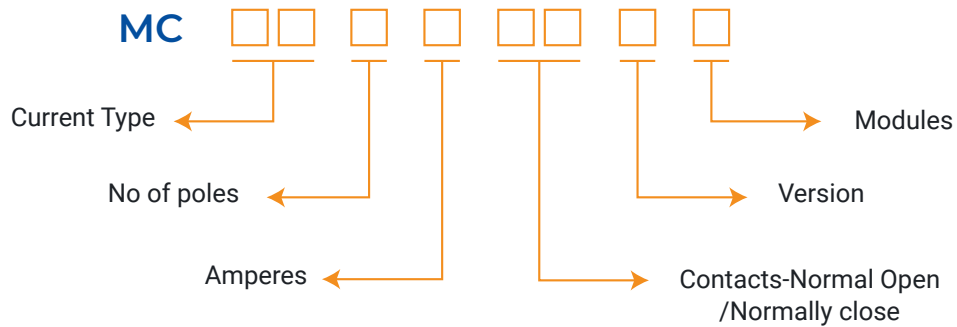
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Modular contactor



AC 1 Pole 1 Module

Contactor Model	Ie Rating		Uc (V AC) (50Hz)	Circuit Diagram
	AC-7a, AC-1	AC-7b, AC-3		
MCA1161NOA1	16A	6A	24	
MCA1201NOA1	20A	7A	110	
MCA1251NOA1	25A	9A	230	
MCA1161NOA1	16A	6A	24	
MCA1201NOA1	20A	7A	110	
MCA1251NOA1	25A	9A	230	

AC 1 Pole 2 Modules

Contactor Model	Ie Rating		Uc (V AC) (50Hz)	Circuit Diagram
	AC-7a, AC-1	AC-7b, AC-3		
MCA2321NOA2	32A	12A	24	
MCA2401NOA2	40A	18A	110	
MCA2631NOA2	63A	25A	230	
MCA2321NCA2	32A	12A	24	
MCA2401NCA2	40A	18A	110	
MCA2631NCA2	63A	25A	230	

AC 2 Poles 1 Module

Contactor Model	Ie Rating		Uc (V AC) (50Hz)	Circuit Diagram
	AC-7a, AC-1	AC-7b, AC-3		
MCA2162NOA1	16A	6A	24	
MCA2202NOA1	20A	7A	110	
MCA2252NOA1	25A	9A	230	
MCA2161NO1NCA1	16A	6A	24	
MCA2201NO1NCA1	20A	7A	110	
MCA2251NO1NCA1	25A	9A	230	
MCA2162NCA1	16A	6A	24	
MCA2202NCA1	20A	7A	110	
MCA2252NCA1	25A	9A	230	

AC 2 Poles 2 Modules

Contactor Model	Ie Rating		Uc (V AC) (50Hz)	Circuit Diagram
	AC-7a, AC-1	AC-7b, AC-3		
MCA2322NOA2	32A	12A	24	
MCA2402NOA2	40A	18A	110	
MCA2632NOA2	63A	25A	230	
MCA2321NO1NCA2	32A	12A	24	
MCA2401NO1NCA2	40A	18A	110	
MCA2631NO1NCA2	63A	25A	230	
MCA2322NCA2	32A	12A	24	
MCA2402NCA2	40A	18A	110	
MCA2632NCA2	63A	25A	230	

AC 2 Poles 3 Modules

Contactor Model	Ie Rating		Uc (V AC) (50Hz)	Circuit Diagram
	AC-1	AC-3		
MCA2802NOA3	80A	32A	24	
MCA21002NOA3	100A	40A	110	
MCA21252NOA3	125A	50A	230	
MCA2801NO1NCA3	80A	32A	24	
MCA21001NO1NCA3	100A	40A	110	
MCA21251NO1NCA3	125A	50A	230	
MCA2802NCA3	80A	32A	24	
MCA21002NCA3	100A	40A	110	
MCA21252NCA3	125A	50A	230	

AC 3 Poles 2 Modules

Contactor Model	Ie Rating		Uc (V AC) (50Hz)	Circuit Diagram
	AC-7a, AC-1	AC-7b, AC-3		
MCA3163NOA2	16A	6A	24 110 230 380	
MCA3203NOA2	20A	7A		
MCA3303NOA2	25A	9A		
MCA3163NCA2	16A	6A	24 110 230 380	
MCA3203NCA2	20A	7A		
MCA3303NCA2	25A	9A		

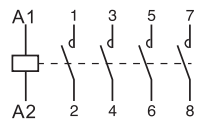
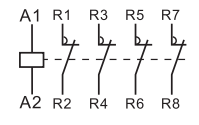
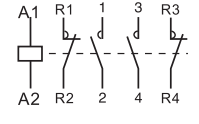
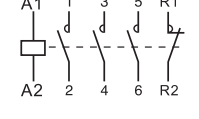
AC 3 Poles 3 Modules

Contactor Model	Ie Rating		Uc (V AC) (50Hz)	Circuit Diagram
	AC-7a, AC-1	AC-7b, AC-3		
MCA3323NOA3	32A	12A	24 110 230 380	
MCA3403NOA3	40A	18A		
MCA3633NOA3	63A	25A		
MCA3323NCA3	32A	12A	24 110 230 380	
MCA3403NCA3	40A	18A		
MCA3633NCA3	63A	25A		

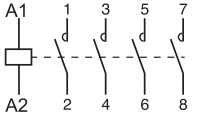
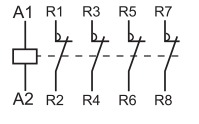
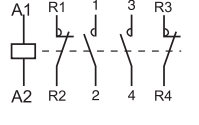
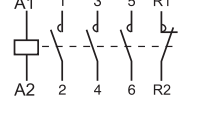
AC 4 Poles 2 Modules

Contactor Model	Ie Rating		Uc (V AC) (50Hz)	Circuit Diagram
	AC-7a, AC-1	AC-7b, AC-3		
MCA4164NOA2	16A	6A	24 110 230 380	
MCA4204NOA2	20A	7A		
MCA4254NOA2	25A	9A		
MCA4164NCA2	16A	6A	24 110 230 380	
MCA4204NCA2	20A	7A		
MCA4254NCA2	25A	9A		
MCA4162NO2NCA2	16A	6A	24 110 230 380	
MCA4202NO2NCA2	20A	7A		
MCA4252NO2NCA2	25A	9A		
MCA4163NO1NCA2	16A	6A	24 110 230 380	
MCA4203NO1NCA2	20A	7A		
MCA4253NO1NCA2	25A	9A		

AC 4 Poles 3 Modules

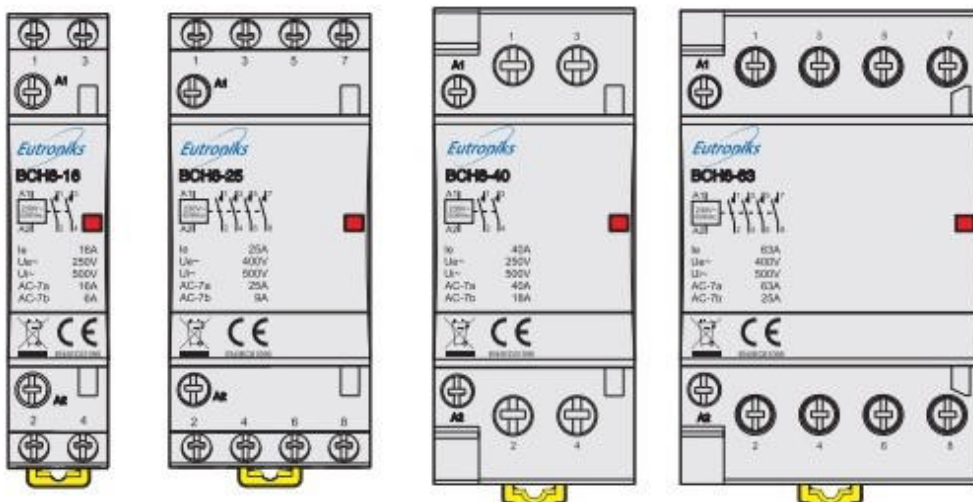
Contactor Model	Ie Rating		Uc (V AC) (50Hz)	Circuit Diagram
	AC-7a, AC-1	AC-7b, AC-3		
MCA4324NOA3	32A	12A	24 110 230 380	
MCA4404NOA3	40A	18A		
MCA4634NOA3	63A	25A		
MCA4324NCA3	32A	12A	24 110 230 380	
MCA4404NCA3	40A	18A		
MCA4634NCA3	63A	25A		
MCA4322NO2NCA3	32A	12A	24 110 230 380	
MCA4402NO2NCA3	40A	18A		
MCA4632NO2NCA3	63A	25A		
MCA4323NO1NCA3	32A	12A	24 110 230 380	
MCA4403NO1NCA3	40A	18A		
MCA4633NO1NCA3	63A	25A		

AC 4 Poles 6 Modules

Contactor Model	Ie Rating		Uc (V AC) (50Hz)	Circuit Diagram
	AC-1	AC-3		
MCA4804NOA6	80A	32A	24 110 240	
MCA41004NOA6	100A	40A		
MCA41254NOA6	125A	50A		
MCA4804NCA6	80A	32A	24 110 240	
MCA41004NCA6	100A	40A		
MCA41254NCA6	125A	50A		
MCA4802NO2NCA6	80A	32A	24 110 240	
MCA41002NO2NCA6	100A	40A		
MCA41252NO2NCA6	125A	50A		
MCA4803NO1NCA6	80A	32A	24 110 240	
MCA41003NO1NCA6	100A	40A		
MCA41253NO1NCA6	125A	50A		

AC modular contactor power consumption

Poles	Ie Rating		Uc (V AC) (50Hz)	Power consumption		Max Power
	AC-7a	AC-7b		Hold on	Pull in	
1P	16A	6A	230	2.8VA	11.5VA	1.2W
	20A	7A	230	2.8VA	11.5VA	1.2W
	25A	9A	230	2.8VA	11.5VA	1.2W
2P	16A	6A	230	2.8VA	11.5VA	1.2W
	20A	7A	230	2.8VA	11.5VA	1.2W
	25A	9A	24	3.0VA	11.5VA	1.3W
	25A	9A	230	2.8VA	11.5VA	1.2W
	32A	12A	230	4.1VA	31VA	1.6W
	40A	18A	230	4.1VA	31VA	1.6W
	63A	25A	230	4.1VA	31VA	1.6W
	100A	-	230	4.1VA	31VA	2.6W
3P	16A	6A	230	4.1VA	31VA	1.6W
	20A	7A	230	4.1VA	31VA	1.6W
	25A	9A	230	4.1VA	31VA	1.6W
	32A	12A	230	7VA	48VA	2.1W
	40A	18A	230	7VA	48VA	2.1W
	63A	25A	230	7VA	48VA	2.1W
4P	16A	6A	230	4.1VA	31VA	1.6W
	20A	7A	230	4.1VA	31VA	1.6W
	25A	9A	24	4.8VA	33VA	1.6W
	25A	9A	230	4.1VA	31VA	1.6W
	32A	12A	230	7VA	48VA	2.1W
	40A	18A	230	7VA	48VA	2.1W
	63A	25A	230	7VA	48VA	2.1W
	100A	-	230	13VA	106VA	4.2W

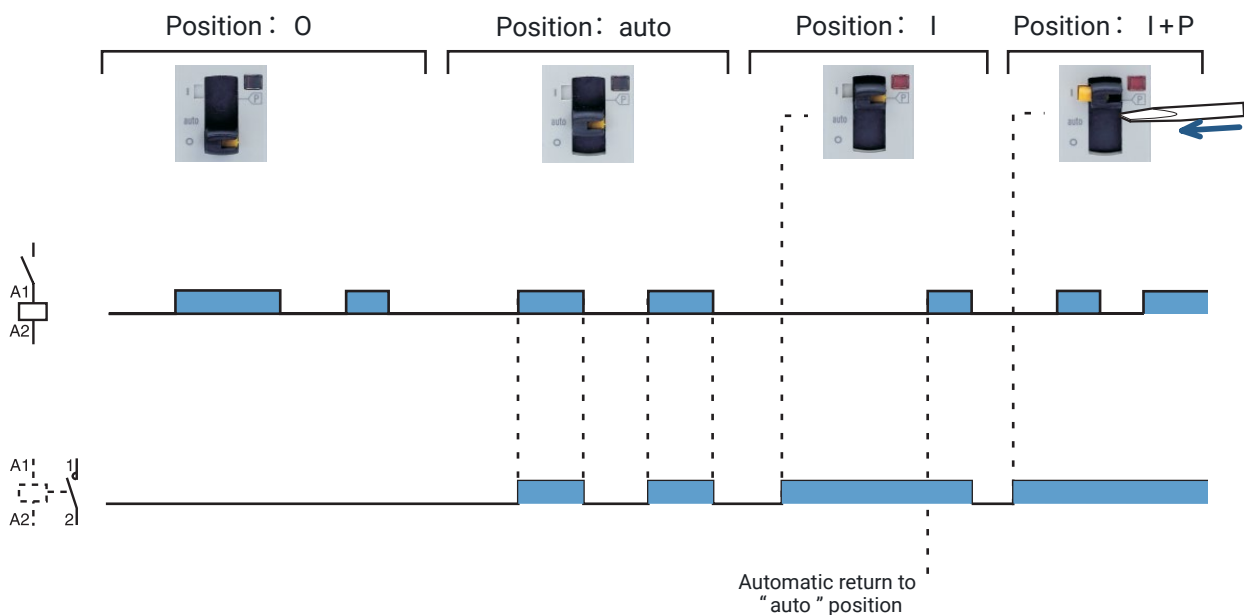




Main parameter and technical performance

Power circuit

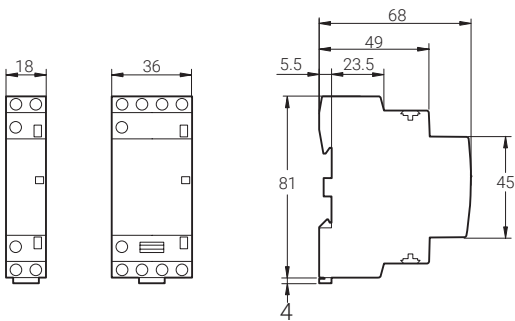
Voltage rating(Ue)	1P,2P	250V AC
	3P,4P	400V AC
Frequency	50/60Hz	
Endurance(O-C)	1,000,000 cycles	
Electrical	100,000 cycles	
Maximum number of switching operation a day	100	
Insulation vwltag(Ui)	500 V AC	
Pollution degree	2	
Rated impulse withstand voltage(Uimp)	2.5kV(4kV for 12/24/48VAC)	
Degree of protection (IEC 60529)	Device only	IP20
	Device in modular enclosure	IP40
Operating temperature	-50C~+600C	
Storage temperature	-40°C~+70°C	
Tropicalization(IEC 60068.1)	Treatment 2 (relative humidity 95% at 55C	

Operation (Manual control contactor)

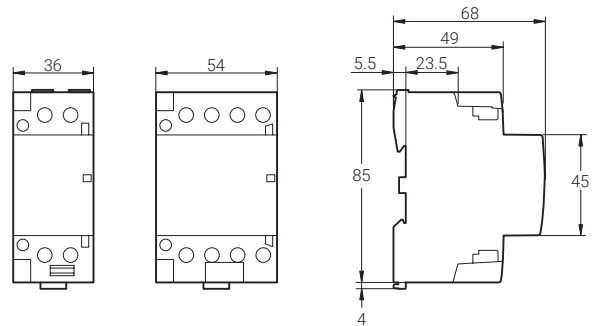


Type	Rating	Lenght tripping	Circuit	Tightening Torque	Copper cables	
					Rigid	Flexible or ferrule
MC version A	PZ1:4mm	16-100A	Control	0.8N.m	 1.5~2.5mm ² 2 x 1.5mm ²	 1.5~2.5mm ² 2 x 2.5mm ²
		16and25A				
	PZ2:6mm	40A-63A	Power	3.5N.1 m	6~25mm ²	6~16mm ²
		100A			6~35mm ²	6~35mm ²

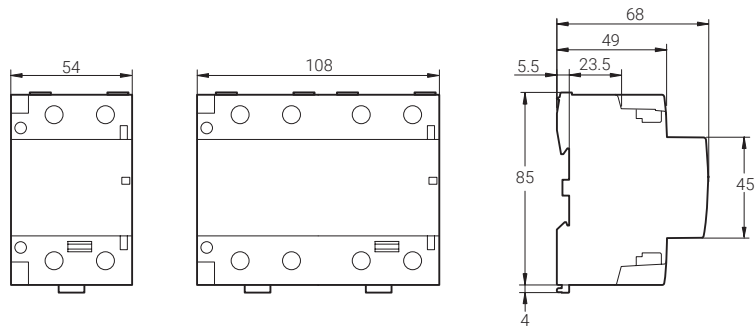
Product dimensions (mm)



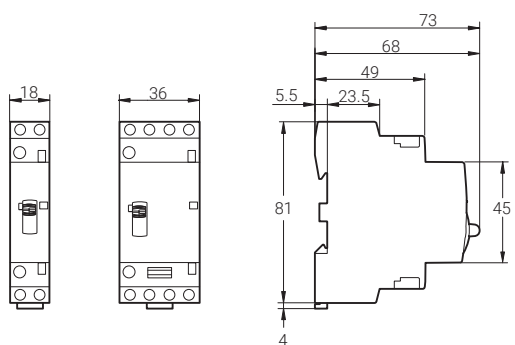
MC version A-16/20/25A



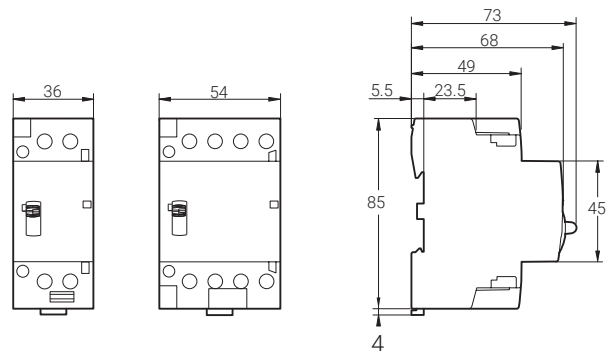
MC version A 32/40/63A



MC version A 100A




MC version A Manual Contactor 16/20/25A



MC version A Manual Contactor 32/40/63A



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