

# Capacitor Switching Contactors MC-K



- 12.5kVar up to 100kVar
- For use with reactive or non-reactive capacitor banks
- DIN rail mounting to 100kVar
- Early make contacts and damping resistors used to reduce the value of make current  $< 70 \times I_e$
- Designed to EN60947-4-1, EN60947-5-1 VDE0660
- Compact design for panel space saving, only 45mm wide up to 25kVar, 60mm up to 75kVar, 90mm wide to 100kVar

## Options and ordering codes

### Rated operational power at 50/60Hz @ 50 °C

380/400V kVar	415/440V kVar	660/690V kVar	Auxiliary contact Built in		Additional pcs.	Part No
			NO	NC		
12.5	13	20	1	—	1 <sup>1)</sup>	MC18N-K-10...
12.5	13	20	—	1	1 <sup>1)</sup>	MC18N-K-01...
25	27	41	—	—	3 <sup>2)</sup>	MC32-K-00...
33.3	36	55	—	—	3 <sup>2)</sup>	MC50-K-00...
50	53	82	—	—	3 <sup>2)</sup>	MC62-K-00...
75 <sup>3)</sup>	75 <sup>3)</sup>	120 <sup>3)</sup>	—	—	3 <sup>2)</sup>	MC74-K-00...
80	82	120	—	—	6 <sup>4)</sup>	MC90-K-00...
100 <sup>5)</sup>	103 <sup>5)</sup>	148 <sup>5)</sup>	—	—	6 <sup>4)</sup>	MC115-K-00...

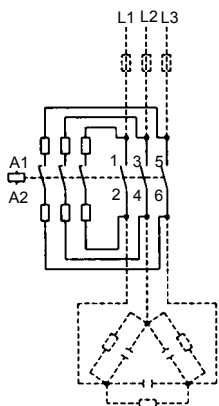
- <sup>1)</sup> 1 MCA.. or MCAH.. Snap-on
- <sup>2)</sup> 2 MCAS11 on the left or right hand side and 1 MCA.. or MCAH.. Snap-on
- <sup>3)</sup> Consider the maximum thermal current of the contactor MC74-s: Ith 130A
- <sup>4)</sup> 2 MCAS11 on the left or right hand side and 4 MCA.. or MCAH.. Snap-on
- <sup>5)</sup> Consider the min. cross-section of conductor ar max. load

Contactors MC..-K are suitable for switching low-inductive and low loss capacitors in capacitor banks (IEC70 and 831, VDE 0560) without and with reactors.

Capacitor switching contactors are fitted with early make contacts and damping resistors, to reduce the value of make capacity  $< 70 \times I_e$ .

Operating conditions: Capacitor switching contactors are protected against contact welding for a prospective making current of  $200 \times I_e$ . Fuse rating approximately  $1,6$  to  $2,5 \times I_e$ , type gL (gG).

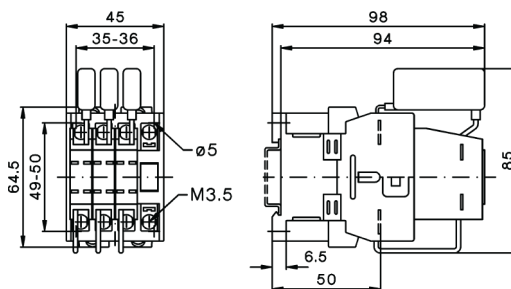
## Circuit Diagrams



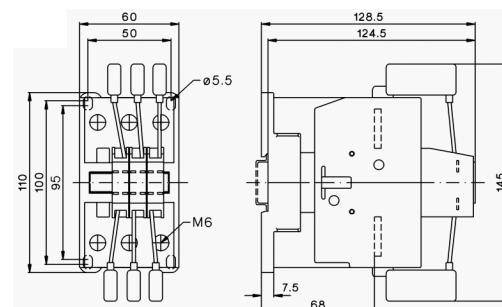
Mounting instructions:  
Minimum distance between resistor windings to other parts: 80mm

## Dimensions

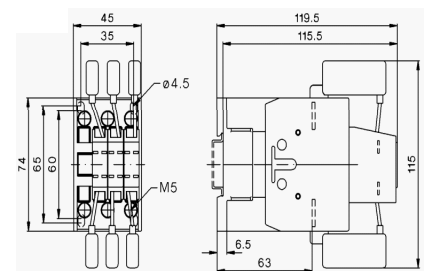
### MC18N-K



### MC50-K / MC62-K / MC74-K



### MC32-K



### MC90-K / MC115-K

