Capacitor Switching Contactors MC-K

IMO

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

[1)] 1 MCA.. or MCAH.. Snap-on

[2)] 2 MCAS11 on the left or right hand side and 1 MCA.. or MCAH.. Snap-on

[3)] Consider the maximum thermal current of the contactor MC74-s: Ith 130A

[4)] 2 MCAS11 on the left or right hand side and 4 MCA.. or MCAH.. Snap-on

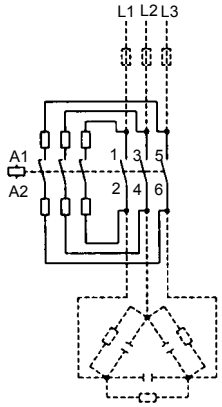
[5)] Consider the min. cross-section of conductor ar max. load

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 x Ie.

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

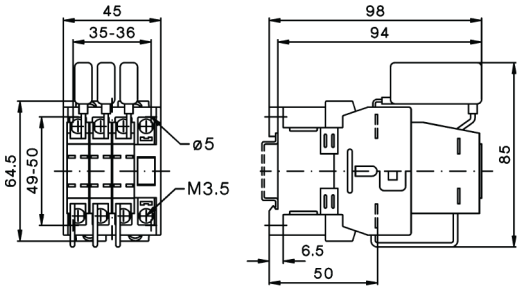
Circuit Diagrams



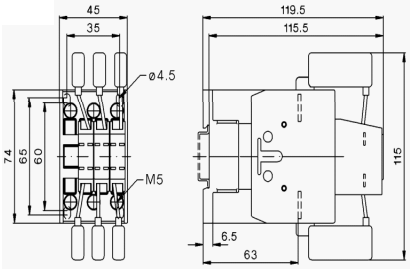
Mounting instructions:
Minimum distance between resistor windings to other parts: 80mm

Dimensions

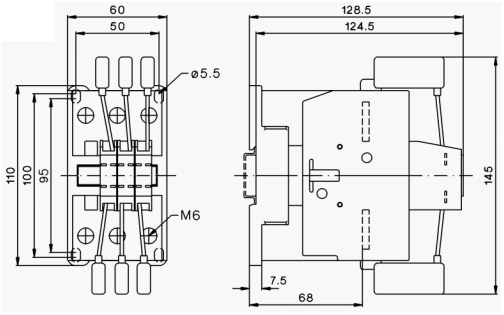
MC18N-K



MC32-K



MC50-K / MC62-K / MC74-K



MC90-K / MC115-K