


MINI MOTOR CONTACTORS type CM0, CM1 WITH AC CONTROL CIRCUIT

Features

- In conformity with: IEC 60947-4
- Small mounting dimensions and overall size
- 4 kW rating 400 V AC3
- Snap-on auxiliaries

Selection and ordering data

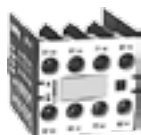
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Rated operational current I_e at 400 V A	Motor switching AC2 and AC3 duty Max. Ratings of three-phase motor at 50 Hz			Rated operational current $I_e/AC1$ at 55°C 400 V A	Auxiliary contacts  NO NC	Type	Weights kg
	230 V kW	400 V kW	690 V kW				
6	1.5	2.2	3	20	1 0	CM0 10	0.17
					0 1	CM0 01	
					0 0	CM0 004 (4 main contacts)	
9	3	4	4	20	1 0	CM1 10	0.17
					0 1	CM1 01	
					0 0	CM1 004 (4 main contacts)	



Snap-on auxiliary contact blocks

Rated operational current at $I_e/AC15/AC14$	230 V A	400 V A	500 V A	690 V A	Auxiliary contacts NO NC	Type	Weights kg
6	3	1.8	1	4 0	3 1	BP0 40	0.04
						BP0 31	
						BP0 22	
						BP0 13	
						BP0 04	
6	3	1.8	1	1 0	BP1 10	0.013	
				0 1	BP1 01		



Number of auxiliary contacts can be extended up to 7 for CM0/CM1 10;01

Snap on surge suppressors	Type	Weights kg
RC elements for control voltage 24 V...60V for control voltage 72 V...220V	RC0-60 RC0-220	0.01



Mechanical interlock

Set comprising mechanical interlock and contactor jointing parts For use with CP0, CM0 and CM1	Type	Weights kg
	MB1	0.002



TECHNICAL INFORMATION

MINI MOTOR CONTACTORS type CM0, CM1

Technical data				
Contactor type			CM0	CM1
Mechanical endurance	make/break operations	x10 ⁶	10	
Insulation rating		V	690	
Permissible ambient temperature		°C	- 25 to +55	
Consumption of electromagnet in cold state with U_n				
AC operated	closing	VA	26	
	p.f.		0,8	
	closed	VA	4	
	p.f.		0,35	
Coil voltage tolerances			0,8 — 1,1 U _n	
Duration of making and breaking				
AC operated	closing time	ms	7 - 12	
	opening time	ms	6 - 10	
	duration of electric arc	ms	3	
Frequency of switching operations				
without thermal relay	utilization category	AC 1	s/h 1200	
		AC2; AC3	s/h 1000	
		AC4	s/h 600	
with thermal relay			s/h 15	
Resistivity to shocks	(square shock)	g/ms	7/5 and 4/10	
Maximum permissible fuse rating	for contactors without relays			
max short circuit current 10 kA	fuse-links, time-lagging A		16	
main circuit	fuse-links, quick-acting A		20	
Sizes of connecting conductors				
for contactors without thermal relay				
main circuit	single-wire conductor	mm ²	1 — 2,5	
	multi-wire conductor with cable shoe	mm ²	0,75 — 1,5	
Loadability of auxiliary contacts of contactor CM0 and CM1				
rated continuous current I _{th} ; 35°C		A	16	
AC rated operational current I _e /AC15	for	230 V	A	6
		400 V	A	4
		500 V	A	2,5
		690 V	A	1,5
rated operational current I _e /DC13	for	24 V	A	5
		110 V	A	1,2
		220 V	A	0,6
Load carrying capacity of the main contacts				
rated continuous current I _{th} ; 35°C		A	20	
AC1 utilization category rated current I _e /AC1 ; 55°C		A	20	

