

MINI MOTOR CONTACTOR type CM1 WITH AC CONTROL CIRCUIT

Features

- In conformity with: IEC 60947-1, IEC 60947-4
- Small mounting dimensions and overall size
- 5,5 kW rating 400 V AC3
- Snap-on auxiliaries

Selection and ordering data



Rated operational current I_e at 400 V A	Motor switching AC2 and AC3 duty Max. Ratings of three-phase motor at 50 Hz and			Rated operational current $I_e/AC1$ at 55 °C 400 V A	Auxiliary contacts		Type	Weights kg
	230 V kW	400 V kW	690 V kW		NO	NC		
9	3	4	4	20	0	0	CM1 00 CM1 10 CM1 01 CM1 004 (4 main contacts)	0.175
					1	0		
					0	1		
					0	0		

* Number of auxiliary contacts can be extended up to 5 for CM1 10;01 (see page 1/28)

MOTOR CONTACTORS type CNN 9 - CNN 12 WITH AC CONTROL CIRCUIT

Features

- In conformity with: IEC 60947-1, IEC 60947-4
- Small mounting dimensions and overall size
- Snap-on auxiliaries
- Other control voltages are available

Selection and ordering data



Rated operational current I_e at 400 V A	Motor switching AC2 and AC3 duty Max. Ratings of three-phase motor at 50 Hz and			Rated operational current $I_e/AC1$ at 55 °C 400 V A	Auxiliary contacts		Type	Weights kg
	230 V kW	400 V kW	690 V kW		NO	NC		
9	3.2	4.5	5.5	25	1	0	CNN 9 10 CNN 9 01 CNN 9 004* (4 main contacts)	0.26
					0	1		
					0	0		
12	3.5	5.7	7.5	25	1	0	CNN 12 10 CNN 12 01 CNN 12 004* (4 main contacts)	0.26
					0	1		
					0	0		

* See page 1/67 for dimensions.





MOTOR CONTACTORS type CNN 18 - CNN 40 WITH AC CONTROL CIRCUIT

Features

- In conformity with: IEC 60947-1, IEC 60947-4
- Small mounting dimensions and overall size
- Snap-on auxiliaries
- Other control voltages are available

1

Selection and ordering data

	Motor switching AC2 and AC3 duty			Rated operational current Ie/AC1 at 55 °C 400 V A	Auxiliary contacts		Type	Weights kg
	Rated operational current Ie at 400 V A	Max. Ratings of three-phase motor at 50 Hz and			NO	NC		
		230 V kW	400 V kW	690 V kW				
	18	4	7.5	10	30	1 0 0 1	CNN 18 10 CNN 18 01	0.265
	22	5.5	11	11	30	1 0 0 1	CNN 22 10 CNN 22 01	0.27
	25	5.5	11	15	40	0 0	CNN 25 00	0.28
	30	7.5	15	15	40	0 0	CNN 30 00	0.285
	32	7.5	15	18.5	50	0 0	CNN 32* 00	0.395
	38	11	18.5	22	50	0 0	CNN 40* 00	0.40
	32	7.5	15	18.5	50	0 0	CNN 32N 00	0.415
	38	11	18.5	22	50	0 0	CNN 40N 00	0.42

* For connecting multi-wired conductor up to 25 mm² must be ordered additional terminal blocks with Part No. 601478 (see 1/30).

** Number of auxiliary contacts can be extended up to 5 for CNN 9 10;01; CNN 12 10;01; CNN 18 10;01; CNN 22 10;01 and 4 for CNN 25; CNN 32/32N; CNN 40/40N (see 1/28).







MOTOR CONTACTORS type CNN 50 - CNN 100, CNM 110, CNM 110ST WITH AC CONTROL CIRCUIT

Features

- In conformity with: IEC 60947-1, IEC 60947-4
- With fixed auxiliary contacts for CNM
- Rugged construction
- Other control voltages are available

1

Selection and ordering data

Motor switching Rated operational current I_e at 400 V A	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		Type	Weights kg	
	230 V kW	400 V kW	690 V kW		 NO	 NC			
	50	15	22	33	85	0	0	CNN 50 00	0.875
	60	18.5	30	37	85	0	0	CNN 60 00	0.877
	65	18.5	33	37	90	0	0	CNN 70 00	0.897
	80	22	37	55	95	0	0	CNN 80 00	1,295
	90	26	45	67	105	0	0	CNN 90 00	1.305
	100	30	55	67	105	0	0	CNN 100 00	1.325
	110	37	55	90	115	2	2	CNM 110 22	2.29
						4	4	CNM 110 44	2.39
	110	37	55	90	115	2	2	CNM 110ST* 22	2.33
						4	4	CNM 110ST* 44	2.43

* Technical information for Contactor CNM 110ST are same as CNM 110.
ST - Main conductors with box terminal max. $1 \times 50 \text{mm}^2$ or $2 \times 35 \text{mm}^2$

** Number of auxiliary contacts can be extended up to 4 (BP4 or 2xBP3) for CNN 50-100

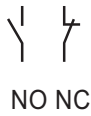






MOTOR CONTACTORS type CNM 140 - CNM 400 WITH AC CONTROL CIRCUIT

Features

- In conformity with: IEC 60947-1, IEC 60947-4
- With fixed auxiliary contacts
- Rugged construction
- Other control voltages are available

Selection and ordering data

1

	Motor switching AC2 and AC3 duty				Rated operational current Ie/AC1 at 55°C 400 V A	Auxiliary contacts  NO NC	Type	Weights kg
	Rated operational current Ie at 400 V A	Max. Ratings of three-phase motor at 50 Hz						
	230 V kW	400 V kW	690 V kW					
	140	45	75	100	160	2 2	CNM 140 2 2	5.1
						4 4	CNM 140 4 4	5.5
	170	55	90	132	200	2 2	CNM 170 2 2	5.2
						4 4	CNM 170 4 4	5.6
	200	60	110	155	250	2 2	CNM 200 2 2	5.3
						4 4	CNM 200 4 4	5.7
	250	75	132	160	300	2 2	CNM 250 2 2	8.4
						4 4	CNM 250 4 4	8.9
	315	90	160	200	390	2 2	CNM 315 2 2	8.5
						4 4	CNM 315 4 4	8.9
	400	115	200	355	400	2 2	CNM 400 2 2	8.5
						4 4	CNM 400 4 4	8.9

MOTOR CONTACTORS type CNM 450 - CNM 1000

WITH AC CONTROL CIRCUIT and AC/DC for CNM 700 - CNM 1000

Features

- In conformity with: IEC 60947-1, IEC 60947-4
- With fixed auxiliary contacts
- Rugged construction
- Other control voltages are available

1

Selection and ordering data

	Motor switching AC2 and AC3 duty			Rated operational current I_e/AC1 at 55°C 400 V A	Auxiliary contacts		Type	Weights kg	
	Rated operational current I_e at 400 V A	Max. Ratings of three-phase motor at 50 Hz 230 V kW	400 V kW		690 V kW	NO			NC
	450	132	250	375	700	2	2	CNM 450 2 2	13.5
	550	175	315	500	800	2	2	CNM 550 2 2	14
	700	225	400	630	1000	2	2	CNM 700 2 2	26.4
	860	280	500	710	1100	2	2	CNM 860 2 2	27.6
	1000	325	580	850	1200	1	2	CNM 1000 1 2	51