

REVERSING CONTACTOR ASSEMBLIES







type MBCM1 and MBCNN 9 - 40 (AC coil) and MBCNNB 9 - 30 (DC coil) for switching motors

Features

- Utilizing contactors with snap-on auxiliary contact blocks
- Includes power wiring
- Mechanically and electrically interlocked
- DIN rail mounting MBCM1, MBCNN 9 - 40, MBCNNB 9 - 30

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Selection and ordering data

	Motor switching						le/AC1 at 55 °C 400 V A	Auxiliary contacts per contactor NO NC	Type	Weights kg
	AC2 / AC3 duty			AC4 duty						
	le at 400 V A	Max. Ratings of three-phase motor at 50 Hz								
	230 V kW	400 V kW	690 V kW	230 V kW	400 V kW	690 V kW	400 V A	0 0 1 0	MBCM1 00 MBCM1 10*	0.40 0.41
	3	4	4	0.75	1.5	1.5	20	0 0	MBCM1 10N	0.41
	12	3.2	5.5	5.5	0.75	1.6	1.6	20	0 0	
	230 V kW	400 V kW	690 V kW	230 V kW	400 V kW	690 V kW	400 V A	0 0 1 1	MBCNN 9 00 MBCNN 9 11*	0.54 0.58
	3.2	4.5	5.5	0.75	1.9	1.9	25	0 0	MBCNN 12 00 MBCNN 12 11*	0.54 0.58
	12	3.5	5.7	7.5	1.1	2.2	2.2	25	0 0 1 1	
	230 V kW	400 V kW	690 V kW	230 V kW	400 V kW	690 V kW	400 V A	0 0 1 1	MBCNN 18 00 MBCNN 18 11*	0.56 0.6
	4	7.5	10	1.5	3	3	30	0 0	MBCNN 25 10	0.63
	18	4	7.5	10	1.5	3	3	30	1 0	MBCNN 30 10
	230 V kW	400 V kW	690 V kW	230 V kW	400 V kW	690 V kW	400 V A	1 0	MBCNN 32 10	0.8
	7.5	15	18.5	4	6.5	6.5	50	1 0	MBCNN 40 10	0.82
	32	7.5	15	18.5	4	6.5	6.5	50	1 0	
	230 V kW	400 V kW	690 V kW	230 V kW	400 V kW	690 V kW	400 V A	0 0 1 1	MBCNNB 9 00 MBCNNB 9 11*	1.26 1.30
	3.2	4.5	5.5	0.75	1.9	1.9	25	0 0	MBCNNB 12 00 MBCNNB 12 11*	1.26 1.30
	12	3.5	5.7	7.5	1.1	2.2	2.2	25	0 0 1 1	
	230 V kW	400 V kW	690 V kW	230 V kW	400 V kW	690 V kW	400 V A	0 0 1 1	MBCNNB 18 00 MBCNNB 18 11*	1.27 1.31
	4	7.5	10	1.5	3	3	30	0 0	MBCNNB 25 10	1.31
	18	4	7.5	10	1.5	3	3	30	1 0	MBCNNB 30 10

* For Push button control

The main and control circuits are wired according to the circuit diagrams on page 62.

Note: Electrical endurance of contacts in AC4 utilization category is 120 000.

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
type MBCNN 50 - MBCNM 400 for switching motors

Features

- Utilizing contactors with snap-on auxiliary contact blocks for MBCNN
- Utilizing contactors with fixed auxiliaries for MBCNM
- Includes power wiring
- Mechanically and electrically interlocked

Selection and ordering data

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Motor switching							le/AC1 at 55 °C	Auxiliary contacts per contactor 	Type	Weights kg
AC2 / AC3 duty			AC4 duty							
Ie at 400 V A	Max. Ratings of three-phase motor at 50 Hz						400 V A	NO NC		
	230 V kW	400 V kW	690 V kW	230 V kW	400 V kW	690 V kW				
50	15	22	33	6.9	12	20.8	85	1 0	MBCNN 50 10	2.80
60	18.5	30	37	8.1	14	24.3	85	1 0	MBCNN 60 10	2.82
65	18.5	33	37	8.5	15.1	24.3	90	1 0	MBCNN 70 10	2.88
80	22	37	55	8.7	17	27	95	1 0	MBCNN 80 10	3.78
90	26	45	67	10.4	18	30	105	1 0	MBCNN 90 10	3.81
100	30	55	67	11	19	32	105	1 0	MBCNN 100 10	3.84
110	37	55	90	15.6	27	45	115	2 1	MBCNM 110 21	5.78
140	45	75	100	20	35	60	160	2 1	MBCNM 140 21	14.2
170	55	90	132	21	37	64	200	2 1	MBCNM 170 21	14.4
200	60	105	155	23	40	69	250	2 1	MBCNM 200 21	14.6
250	75	132	160	31	55	92	300	2 1	MBCNM 250 21	23
315	90	160	200	35	65	100	390	2 1	MBCNM 315 21	23.2
400	115	200	355	37.5	69	106	400	2 1	MBCNM 400 21	23.4



The main and control circuits are wired according to the circuit diagrams on page 62.
Note: Electrical endurance of contacts in AC4 utilization category is 120 000.