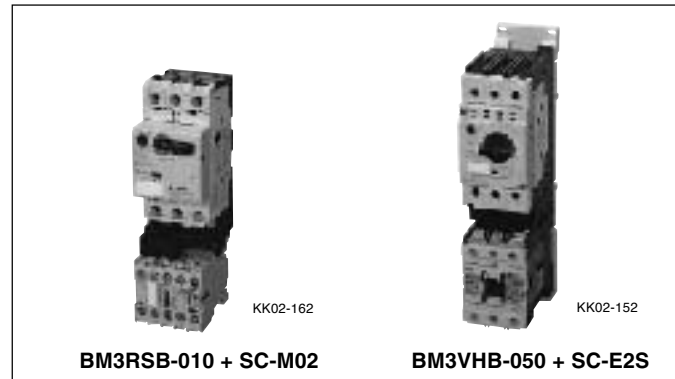


Combination Starters

Quick reference guide

■ Features

- The user can assemble a combination starter by combining a BM3 series manual motor starter and an SC series magnetic contactor according to the load motor capacity.
- The manual motor starter provides overload, phase-loss, and short-circuit protections for the motor circuit, and incorporates a dial for flexible adjustment to match the total load current of the motor.
- The magnetic contactor allows remote ON/OFF operation of the motor circuit with high frequency, and features a electrical durability of one million operations.
- The manual motor starter and magnetic contactor are connected via link module and mounted to a base plate.



■ Combinations meeting for North American market

• BM3RSB, BM3RHB (General)

220-240V AC		440-480V AC		MMS part number		Contactor □ part number	Link module	Base plate
HP rating (HP)	Rated current (A)	HP rating (HP)	Rated current (A)	Part number	Current range (A)			
-	-	-	-	BM3RSB-P16	BM3RHB-P16	0.1-0.16	SC-M01, M01/G SC-E02 SC-E02/G	BZ0LRC09AA BZ0LRE22AA BZ0LRE22GA - BZ0BPRES22A BZ0BPRES22A
-	-	-	-	BM3RSB-P25	BM3RHB-P25	0.16-0.25	SC-M01, M01/G SC-E02 SC-E02/G	BZ0LRC09AA BZ0LRE22AA BZ0LRE22GA - BZ0BPRES22A BZ0BPRES22A
-	-	-	-	BM3RSB-P40	BM3RHB-P40	0.25-0.4	SC-M01, M01/G SC-E02 SC-E02/G	BZ0LRC09AA BZ0LRE22AA BZ0LRE22GA - BZ0BPRES22A BZ0BPRES22A
-	-	-	-	BM3RSB-P63	BM3RHB-P63	0.4-0.63	SC-M01, M01/G SC-E02 SC-E02/G	BZ0LRC09AA BZ0LRE22AA BZ0LRE22GA - BZ0BPRES22A BZ0BPRES22A
-	-	-	-	BM3RSB-001	BM3RHB-001	0.63-1	SC-M01, M01/G SC-E02 SC-E02/G	BZ0LRC09AA BZ0LRE22AA BZ0LRE22GA - BZ0BPRES22A BZ0BPRES22A
-	-	3/4	1.6	BM3RSB-1P6	BM3RHB-1P6	1-1.6	SC-M01, M01/G SC-E02 SC-E02/G	BZ0LRC09AA BZ0LRE22AA BZ0LRE22GA - BZ0BPRES22A BZ0BPRES22A
1/2	2.2	1	2.1	BM3RSB-2P5	BM3RHB-2P5	1.6-2.5	SC-M01, M01/G SC-E02 SC-E02/G	BZ0LRC09AA BZ0LRE22AA BZ0LRE22GA - BZ0BPRES22A BZ0BPRES22A
3/4	3.2	2	3.4	BM3RSB-004	BM3RHB-004	2.5-4	SC-M01, M01/G SC-E02 SC-E02/G	BZ0LRC09AA BZ0LRE22AA BZ0LRE22GA - BZ0BPRES22A BZ0BPRES22A
1-1/2	6	3	4.8	BM3RSB-6P3	BM3RHB-6P3	4-6.3	SC-M01, M01/G SC-E02 SC-E02/G	BZ0LRC09AA BZ0LRE22AA BZ0LRE22GA - BZ0BPRES22A BZ0BPRES22A
-	-	5	7.6	BM3RSB-010	BM3RHB-010	6.3-10	SC-M02, M02/G SC-E02 SC-E02/G	BZ0LRC09AA BZ0LRE22AA BZ0LRE22GA - BZ0BPRES22A BZ0BPRES22A
3	9.6	7-1/2	11	BM3RSB-013	BM3RHB-013	10-13	SC-E03 SC-E03/G	BZ0LRE22AA BZ0LRE22GA BZ0BPRES22A BZ0BPRES22A
5	15.2	10	14	BM3RSB-016	BM3RHB-016	11-16	SC-E04 SC-E04/G	BZ0LRE22AA BZ0LRE22GA BZ0BPRES22A BZ0BPRES22A
5	15.2	10	14	BM3RSB-020	BM3RHB-020	14-20	SC-E04 SC-E04/G	BZ0LRE22AA BZ0LRE22GA BZ0BPRES22A BZ0BPRES22A
7-1/2	22	15	21	BM3RSB-025	BM3RHB-025	18-25	SC-E05 SC-E05/G	BZ0LRE22AA BZ0LRE22GA BZ0BPRES22A BZ0BPRES22A
10	28	20	27	BM3RSB-032	BM3RHB-032	24-32	SC-E1 SC-E1/G	BZ0LRE32AA BZ0LRE32GA BZ0BPRES32A BZ0BPRES32A

Combination Starter

Quick reference guide

• **BM3RSB, BM3RHB (Type F coordination)**

220-240V AC		440-480V AC		MMS part number			Contactor □ part number	Link module	Base plate	Short-circuit ratings at 480Y/277 AC (kA)	
HP rating (HP)	Rated current (A)	HP rating (HP)	Rated current (A)	Part number		Current range (A)				for BM3RSB	for BM3RHB
-	-	-	-	BM3RSB-P16	BM3RHB-P16	0.1-0.16	SC-M01, M01/G SC-E02 SC-E02/G	BZOLRC09AA BZOLRE22AA BZOLRE22GA	- BZ0BPRES22A BZ0BPRES22A	65	65
-	-	-	-	BM3RSB-P25	BM3RHB-P25	0.16-0.25	SC-M01, M01/G SC-E02 SC-E02/G	BZOLRC09AA BZOLRE22AA BZOLRE22GA	- BZ0BPRES22A BZ0BPRES22A	65	65
-	-	-	-	BM3RSB-P40	BM3RHB-P40	0.25-0.4	SC-M01, M01/G SC-E02 SC-E02/G	BZOLRC09AA BZOLRE22AA BZOLRE22GA	- BZ0BPRES22A BZ0BPRES22A	65	65
-	-	-	-	BM3RSB-P63	BM3RHB-P63	0.4-0.63	SC-M01, M01/G SC-E02 SC-E02/G	BZOLRC09AA BZOLRE22AA BZOLRE22GA	- BZ0BPRES22A BZ0BPRES22A	65	65
-	-	-	-	BM3RSB-001	BM3RHB-001	0.63-1	SC-M01, M01/G SC-E02 SC-E02/G	BZOLRC09AA BZOLRE22AA BZOLRE22GA	- BZ0BPRES22A BZ0BPRES22A	65	65
-	-	3/4	1.6	BM3RSB-1P6	BM3RHB-1P6	1-1.6	SC-M01, M01/G SC-E02 SC-E02/G	BZOLRC09AA BZOLRE22AA BZOLRE22GA	- BZ0BPRES22A BZ0BPRES22A	65	65
1/2	2.2	1	2.1	BM3RSB-2P5	BM3RHB-2P5	1.6-2.5	SC-M01, M01/G SC-E02 SC-E02/G	BZOLRC09AA BZOLRE22AA BZOLRE22GA	- BZ0BPRES22A BZ0BPRES22A	50	65
3/4	3.2	2	3.4	BM3RSB-004	BM3RHB-004	2.5-4	SC-M01, M01/G SC-E02 SC-E02/G	BZOLRC09AA BZOLRE22AA BZOLRE22GA	- BZ0BPRES22A BZ0BPRES22A	50	65
1-1/2	6	3	4.8	BM3RSB-6P3	BM3RHB-6P3	4-6.3	SC-M01, M01/G SC-E02 SC-E02/G	BZOLRC09AA BZOLRE22AA BZOLRE22GA	- BZ0BPRES22A BZ0BPRES22A	50	65
-	-	5	7.6	BM3RSB-010	BM3RHB-010	6.3-10	SC-M02, M02/G SC-E02 SC-E02/G	BZOLRC09AA BZOLRE22AA BZOLRE22GA	- BZ0BPRES22A BZ0BPRES22A	25	65
3	9.6	-	-	BM3RSB-010	BM3RHB-010	6.3-10	SC-M02, M02/G SC-E03 SC-E03/G	BZOLRC09AA BZOLRE22AA BZOLRE22GA	- BZ0BPRES22A BZ0BPRES22A	25	65
-	-	7-1/2	11	BM3RSB-013	BM3RHB-013	10-13	SC-E03 SC-E03/G	BZOLRE22AA BZOLRE22GA	BZ0BPRES22A BZ0BPRES22A	25	65
5	15.2	10	14	BM3RSB-016	BM3RHB-016	11-16	SC-E04 SC-E04/G	BZOLRE22AA BZOLRE22GA	BZ0BPRES22A BZ0BPRES22A	25	65
5	15.2	10	14	BM3RSB-020	BM3RHB-020	14-20	SC-E04 SC-E04/G	BZOLRE22AA BZOLRE22GA	BZ0BPRES22A BZ0BPRES22A	25	65
7-1/2	22	15	21	BM3RSB-025	BM3RHB-025	18-25	SC-E05 SC-E05/G	BZOLRE22AA BZOLRE22GA	BZ0BPRES22A BZ0BPRES22A	25	50
10	28	20	27	BM3RSB-032	BM3RHB-032	24-32	SC-E1 SC-E1/G	BZOLRE32AA BZOLRE32GA	BZ0BPRES32A BZ0BPRES32A	25	50

To make an application for Type F condition, You need to prepare BZ0TCRE and BZ0TKUAB accessories separately.

Combination Starter

Quick reference guide

• BM3VSB, BM3VHB (General)

220-240V AC		440-480V AC		MMS part number			Contactor □ part number	Link module	Base plate
HP rating (HP)	Rated current (A)	HP rating (HP)	Rated current (A)	Part number		Current range (A)			
3	9.6	5	7.6	BM3VSB-010	BM3VHB-010	6.3-10	SC-E1 SC-E1/G	BZ0LVE51AA BZ0LVE51GA	BZ0BPVE51A BZ0BPVE51A
3	9.6	7-1/2	11	BM3VSB-013	BM3VHB-013	10-13	SC-E1 SC-E1/G	BZ0LVE51AA BZ0LVE51GA	BZ0BPVE51A BZ0BPVE51A
5	15.2	10	14	BM3VSB-016	BM3VHB-016	11-16	SC-E1 SC-E1/G	BZ0LVE51AA BZ0LVE51GA	BZ0BPVE51A BZ0BPVE51A
5	15.2	10	14	BM3VSB-020	BM3VHB-020	14-20	SC-E1 SC-E1/G	BZ0LVE51AA BZ0LVE51GA	BZ0BPVE51A BZ0BPVE51A
7-1/2	22	15	21	BM3VSB-025	BM3VHB-025	18-25	SC-E1 SC-E1/G	BZ0LVE51AA BZ0LVE51GA	BZ0BPVE51A BZ0BPVE51A
10	28	20	27	BM3VSB-032	BM3VHB-032	24-32	SC-E1 SC-E1/G	BZ0LVE51AA BZ0LVE51GA	BZ0BPVE51A BZ0BPVE51A
10	28	30	40	BM3VSB-040	BM3VHB-040	28-40	SC-E2 SC-E2/G	BZ0LVE51AA BZ0LVE51GA	BZ0BPVE51A BZ0BPVE51A
15	42	30	40	BM3VSB-050	BM3VHB-050	35-50	SC-E2S SC-E2S/G	BZ0LVE51AA BZ0LVE51GA	BZ0BPVE51A BZ0BPVE51A
20	54	40	52	BM3VSB-063	BM3VHB-063	45-63	SC-E3 SC-E3/G	BZ0LVE65AA BZ0LVE65GA	BZ0BPVE65A BZ0BPVE65A

• BM3VSB, BM3VHB (Type F coordination)

220-240V AC		440-480V AC		MMS part number			Contactor □ part number	Link module	Base plate	Short-circuit ratings at 480Y/277 AC (kA)	
HP rating (HP)	Rated current (A)	HP rating (HP)	Rated current (A)	Part number		Current range (A)				for BM3VSB	for BM3VHB
3	9.6	5	7.6	BM3VSB-010	BM3VHB-010	6.3-10	SC-E1 SC-E1/G	BZ0LVE51AA BZ0LVE51GA	BZ0BPVE51A BZ0BPVE51A	25	65
3	9.6	7-1/2	11	BM3VSB-013	BM3VHB-013	10-13	SC-E1 SC-E1/G	BZ0LVE51AA BZ0LVE51GA	BZ0BPVE51A BZ0BPVE51A	25	65
5	15.2	10	14	BM3VSB-016	BM3VHB-016	11-16	SC-E1 SC-E1/G	BZ0LVE51AA BZ0LVE51GA	BZ0BPVE51A BZ0BPVE51A	25	65
5	15.2	10	14	BM3VSB-020	BM3VHB-020	14-20	SC-E1 SC-E1/G	BZ0LVE51AA BZ0LVE51GA	BZ0BPVE51A BZ0BPVE51A	25	65
7-1/2	22	15	21	BM3VSB-025	BM3VHB-025	18-25	SC-E1 SC-E1/G	BZ0LVE51AA BZ0LVE51GA	BZ0BPVE51A BZ0BPVE51A	25	65
10	28	20	27	BM3VSB-032	BM3VHB-032	24-32	SC-E1 SC-E1/G	BZ0LVE51AA BZ0LVE51GA	BZ0BPVE51A BZ0BPVE51A	25	65
10	28	30	40	BM3VSB-040	BM3VHB-040	28-40	SC-E2 SC-E2/G	BZ0LVE51AA BZ0LVE51GA	BZ0BPVE51A BZ0BPVE51A	25	65
15	42	30	40	BM3VSB-050	BM3VHB-050	35-50	SC-E2S SC-E2S/G	BZ0LVE51AA BZ0LVE51GA	BZ0BPVE51A BZ0BPVE51A	25	65
20	54	40	52	BM3VSB-063	BM3VHB-063	45-63	SC-E3 SC-E3/G	BZ0LVE65AA BZ0LVE65GA	BZ0BPVE65A BZ0BPVE65A	25	65

To make an application for Type F condition, You need to prepare BZ0TKUAB accessories separately.