


Manual Motor Starters

Quick reference guide

32A Frame types and ratings

Adjustable thermal-magnetic trip type		High breaking capacity BM3RHB-□						AF01-42		
Number of poles		3								
Handle type		Rotary								
Rated current I _e (A)		0.16 to 32								
Rated operational voltage U _e (V)		200 to 690								
Rated frequency (Hz)		50/60								
Rated insulation voltage U _i (V)		690								
Rated impulse withstand voltage U _{imp} (kV)		6								
Utilization category IEC 60947-2 Circuit breaker		Cat. A								
Utilization category IEC 60947-4-1 Motor starter		AC-3								
Trip class IEC 60947-4-1		10								
Instantaneous trip characteristic		13 × I _e max.								
Power loss (total of 3-pole)		7W: I _n =0.16 to 25A 8.5W: I _n =32A								
Mechanical durability (operations)		100,000: I _n =0.16 to 25A 70,000: I _n =32A								
Electrical durability (operations)		100,000: I _n =0.16 to 25A 70,000: I _n =32A								
Max. operations per hour (motor start-up)		25								
Phase-loss protection		Provided								
Trip indicator		Provided								
Test trip function		Provided								
Adjustable current range		UL/CSA 3phase HP rating (HP) * ²				Instantaneous trip current (A)		UL/CSA Short circuit current rating (kA) * ³		Maximum listed branch circuit protection * ³
Code * ¹	I _e : Min.–Max. (A)	200-208VAC	220-240VAC	440-480VAC	550-600VAC		240VAC	480VAC	600VAC	Fuse or MCCB (A)
P16	0.1–0.16	In accordance with Motor full load current				2.1	100	50	10	500
P25	0.16–0.25					3.3	100	50	10	500
P40	0.25–0.4					5.2	100	50	10	500
P63	0.4–0.63					8.2	100	50	10	500
001	0.63–1			1/2	1/2	13	100	50	10	500
1P6	1–1.6	1/4	1/3	3/4	3/4	20.8	100	50	10	500
2P5	1.6–2.5	1/2	1/2	1	1-1/2	32.5	100	50	10	500
004	2.5–4	3/4	3/4	3	3	52	100	50	10	500
6P3	4–6.3	1	1-1/2	5	5	81.9	100	50	10	500
010	6.3–10	2	3	7-1/2	7-1/2	130	100	50	10	500
013	9–13	3	3	10	10	169	100	50	10	500
016	11–16	3	5	10	10	208	100	50	10	500
020	14–20	5	5	15	15	260	100	50	10	500
025	19–25	7-1/2	7-1/2	20	20	325	100	50	10	500
032	24–32	10	10	30	30	416	100	50	10	500
Dimensions (mm) W X H X D		45 X 90 X 79								
Mass (g)		370								
Optional accessory	Auxiliary contact block	<input type="radio"/>								
	Alarm contact block	<input type="radio"/>								
	Auxiliary and alarm contact block	<input type="radio"/>								
	Short-circuit alarm contact block	<input type="radio"/>								
	Shunt trip device	<input type="radio"/>								
	Undervoltage trip device	<input type="radio"/>								
	External operating handle	<input type="radio"/>								
Standard		IEC 60947-1, 60947-2, 60947-4-1, UL 508, CSA C22.2 No.14								

Notes: *¹ Replace the □ mark in the part number by current range codes.

Available – Not available

*² The BM3RHB is cUL listed as HP rated motor controllers.

*³ The BM3RHB is cUL listed for group Installation as per NEC430-53(C).