


# Manual Motor Starters

## Quick reference guide

### ■ 32A Frame types and ratings

Adjustable thermal-magnetic trip type		Standard breaking capacity <b>BM3RSB-□</b>								
		KK01-317								
Number of poles		3								
Handle type		Rocker								
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		$13 \times I_e \text{ max.}$								
Power loss (total of 3-pole)		7W: $I_n=0.16$ to 25A 8.5W: $I_n=32$ A								
Mechanical durability (operations)		100,000: $I_n=0.16$ to 25A 70,000: $I_n=32$ A								
Electrical durability (operations)		100,000: $I_n=0.16$ to 25A 70,000: $I_n=32$ A								
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 Fuse or MCCB (A)
Code *1	$I_e$ : Min.–Max. (A)	200-208VAC	220-240VAC	440-480VAC	550-600VAC		240VAC	480VAC	600VAC	
<b>P16</b>	0.1–0.16	In accordance with Motor full load current				2.1	100	50	10	500
<b>P25</b>	0.16–0.25					3.3	100	50	10	500
<b>P40</b>	0.25–0.4					5.2	100	50	10	500
<b>P63</b>	0.4–0.63					8.2	100	50	10	500
<b>001</b>	0.63–1			1/2	1/2	13	100	50	10	500
<b>1P6</b>	1–1.6	1/4	1/3	3/4	3/4	20.8	100	50	10	500
<b>2P5</b>	1.6–2.5	1/2	1/2	1	1-1/2	32.5	100	50	10	500
<b>004</b>	2.5–4	3/4	3/4	3	3	52	100	50	10	500
<b>6P3</b>	4–6.3	1	1-1/2	5	5	81.9	100	50	10	500
<b>010</b>	6.3–10	2	3	7-1/2	7-1/2	130	100	22	10	500
<b>013</b>	9–13	3	3	10	10	169	100	22	10	500
<b>016</b>	11–16	3	5	10	10	208	100	22	10	500
<b>020</b>	14–20	5	5	15	15	260	50	22	10	500
<b>025</b>	19–25	7-1/2	7-1/2	20	20	325	50	22	10	500
<b>032</b>	24–32	10	10	30	30	416	50	22	10	500
Dimensions (mm) W x H x D		45 x 90 x 66								
Mass (g)		350								
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	–								
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 BM3RSB is cUL listed as HP rated motor controllers.

\*3 The BM3RSB is cUL listed for group Installation as per NEC430-53(C).