


Manual Motor Starters

Quick reference guide

■ 63A Frame types and ratings

Adjustable thermal-magnetic trip type	Standard breaking capacity BM3VSB-□		 AF01-47								
Number of poles	3										
Handle type	Rotary										
Rated current I_e (A)	10 to 63										
Rated operational voltage U_e (V)	200 to 690										
Rated frequency (Hz)	50/60										
Rated insulation voltage U_i (V)	1000										
Rated impulse withstand voltage U_{imp} (kV)	8										
Utilization category	IEC 60947-2 Circuit breaker	Cat. A									
	IEC 60947-4-1 Motor starter	AC-3									
Trip class IEC 60947-4-1	10										
Instantaneous trip characteristic	13 x I_e max.										
Power loss (total of 3-pole)	11W: $I_n=10$ to 32A 15W: $I_n=40$ to 50A 17W: $I_n=63A$										
Mechanical durability (operations)	50,000										
Electrical durability (operations)	25,000										
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)
010	6.3–10	2	3	5	7-1/2	130	100	22	10	600	
013	9–13	3	3	7-1/2	10	169	100	22	10	600	
016	11–16	3	5	10	10	208	100	22	10	600	
020	14–20	5	5	10	15	260	100	22	10	600	
025	19-25	7-1/2	7-1/2	15	20	325	100	22	10	600	
032	24-32	10	10	20	30	416	100	22	10	600	
040	28-40	10	10	30	30	520	100	22	10	600	
050	35-50	15	15	30	40	650	100	22	10	600	
063	45-63	20	20	40	60	819	100	22	10	600	
Dimensions (mm) W X H X D	55 X 110 X 96										
Mass (g)	780										
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.

*2 The BM3VSB is cUL listed as HP rated motor controllers.

*3 The BM3VSB is cUL listed for group Installation as per NEC430-53(C).

Available Not available