


63A Frame types and ratings

Adjustable thermal-magnetic trip type	High breaking capacity BM3VHB-□									
										
	AF01-43									
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 IEC 60947-4-1 Motor starter									
Trip class IEC 60947-4-1	Cat. A AC-3									
Instantaneous trip characteristic	10									
Power loss (total of 3-pole)	13 x I _e max.									
Mechanical durability (operations)	11W: I _n =10 to 32A 15W: I _n =40 to 50A 17W: I _n =63A									
Electrical durability (operations)	50,000									
Max. operations per hour (motor start-up)	25,000									
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	50	10	600
013	9–13	3	3	7-1/2	10	169	100	50	10	600
016	11–16	3	5	10	10	208	100	50	10	600
020	14–20	5	5	10	15	260	100	50	10	600
025	19-25	7-1/2	7-1/2	15	20	325	100	50	10	600
032	24-32	10	10	20	30	416	100	50	10	600
040	28-40	10	10	30	30	520	100	50	10	600
050	35-50	15	15	30	40	650	100	50	10	600
063	45-63	20	20	40	60	819	100	50	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