


Picture	Description	Order no.	
	Magnetic-operated motor protection switch type MBM (Danfoss)		
	Magnetic-operated motor protection switch 0.85 - 12.0 amp. Designed and tested according to IEC 60947-4-1/EN 60947-4-1.		
	Coil voltage:	230V AC	
	Operation temperature:	0°C - 40°C	
	Protection rating:	IP55	
	Size:	0.85 - 1.50 A	09 200 000
		1.20 - 1.90 A	09 201 000
		1.80 - 2.80 A	09 202 000
	2.70 - 4.20 A	09 203 000	
	4.00 - 6.20 A	09 204 000	
	6.00 - 9.20 A	09 205 000	
	8.00 - 12.00 A	09 206 000	
	Magnetic-operated motor protection switch type MBM (Danfoss)		
	Magnetic-operated motor protection switch 0.85 - 12.0 amp. Designed and tested according to IEC 60947-4-1/EN 60947-4-1.		
	Coil voltage:	24V AC	
	Operation temperature:	0°C - 40°C	
	Protection rating:	IP55	
	Size:	0.85 - 1.50 A	09 200 100
		1.20 - 1.90 A	09 201 100
		1.80 - 2.80 A	09 202 100
	2.70 - 4.20 A	09 203 100	
	4.00 - 6.20 A	09 204 100	
	6.00 - 9.20 A	09 205 100	
	8.00 - 12.00 A	09 206 100	
	Hand-operated motor protection switches type HBM with enclosure type ABB IB132-G and motor protection block type ABB MS116 complete		
	Hand-operated motor protection switch 0.63 - 16.0 amp.		
	Motor protection switch is temperature compensated. Protects against short-circuit, overload and phase break.		
	Designed according to standard: IEC/EN 60947-1 IEC/EN 60947-2 IEC/EN 60947-4-1		
	Size	Short-circuit breaking capacity I_{cs} at 400V AC [kA]	
	0.63 - 1.00 A	50	09 211 000
	1.00 - 1.60 A	50	09 211 100
	1.60 - 2.50 A	50	09 211 200
	2.50 - 4.00 A	50	09 211 300
	4.00 - 6.30 A	50	09 211 400
6.30 - 10.00 A	50	09 211 500	
10.00 - 16.00 A	16	09 211 600	

Billede	Beskrivelse		Varenr.
	<p>Hand-operated mounting motor protection switches the HBM with door mounting kit type ABB DMS132-G and motor protection block type ABB MS116 complete</p> <p>Hand-operated motor protection switch 0.63 - 16.0 amp.</p> <p>Motor protection switch is temperature compensated. Protects against short-circuit, overload and phase break.</p> <p>Designed according to standard: IEC/EN 60947-1 IEC/EN 60947-2 IEC/EN 60947-4-1</p>		
	<p>Size</p>	<p>Short-circuit breaking capacity I_{cs} at 400V AC [kA]</p>	
	<p>0.63 - 1.00 A</p>	<p>50</p>	<p>09 212 000</p>
	<p>1,00 - 1.60 A</p>	<p>50</p>	<p>09 212 100</p>
	<p>1.60 - 2.50 A</p>	<p>50</p>	<p>09 212 200</p>
	<p>2.50 - 4.00 A</p>	<p>50</p>	<p>09 212 300</p>
	<p>4.00 - 6.30 A</p>	<p>50</p>	<p>09 212 400</p>
	<p>6.30 - 10.00 A</p>	<p>50</p>	<p>09 212 500</p>
	<p>10.00 - 16.00 A</p>	<p>16</p>	<p>09 212 600</p>

Motor protection switches can be used for all Gram fans type VT, VL, VH and VE 2200 - 4000. All other fan models use frequency converter or Y-D-motor starter.