

Thermal and magnetic motor protection circuit breakers

Series Mbs32 - Standard breaking capacity

CLASS 10



Rated power 3 phase motors at 400Vac Pn	Rated current In ⁽¹⁾	Thermal current setting range	Instantaneous short-circuit release	Rated ultimate short-circuit breaking capaci- ty at 400V Icu kA	Rated service short-circuit breaking capacity at 400V Ics kA	Cat. No.	Ref. No.	Pack.
kW	A	A	A					
0.02	0.16	0.1 - 0.16	2.1	100	100	Mbs32SG001	107395	5
0.06	0.25	0.16 - 0.25	3.3	100	100	Mbs32SG002	107396	5
0.09	0.4	0.25 - 0.4	5.2	100	100	Mbs32SG004	107397	5
0.12/0.18	0.63	0.4 - 0.63	8.2	100	100	Mbs32SG006	107398	5
0.25	1	0.63 - 1	13	100	100	Mbs32SG010	107399	5
0.37/0.55	1.6	1 - 1.6	20.8	100	100	Mbs32SG016	107400	5
0.75	2.5	1.6 - 2.5	32.5	100	100	Mbs32SG025	107401	5
1.5	4	2.5 - 4	52	100	100	Mbs32SG040	107402	5
2.2	6.3	4 - 6.3	81.9	100	100	Mbs32SG063	107403	5
3/4	10	6.3 - 10	130	100	100	Mbs32SG100	107404	5
5.5	13	9 - 13	169	50	38	Mbs32SG130	107405	5
7.5	16	11 - 16	208	25	19	Mbs32SG160	107406	5
10	20	14 - 20	260	25	19	Mbs32SG200	107407	5
11	25	19 - 25	325	25	19	Mbs32SG250	107408	5
15	32	24 - 32	416	25	19	Mbs32SG320	107409	5

(1) Rated current: highest thermal current setting range value.

Series Mbs32 - High breaking capacity

CLASS 10



Rated power 3 phase motors at 400Vac Pn	Rated current In ⁽¹⁾	Thermal current setting range	Instantaneous short-circuit release	Rated ultimate short-circuit breaking capacity at 400V Icu kA	Rated service short-circuit breaking capacity at 400V Ics kA	Cat. No.	Ref. No.	Pack.
kW	A	A	A					
0.02	0.16	0.1 - 0.16	2.1	100	100	Mbs32HG001	107419	5
0.06	0.25	0.16 - 0.25	3.3	100	100	Mbs32HG002	107420	5
0.09	0.4	0.25 - 0.4	5.2	100	100	Mbs32HG004	107421	5
0.12/0.18	0.63	0.4 - 0.63	8.2	100	100	Mbs32HG006	107422	5
0.25	1	0.63 - 1	13	100	100	Mbs32HG010	107423	5
0.37/0.55	1.6	1 - 1.6	20.8	100	100	Mbs32HG016	107424	5
0.75	2.5	1.6 - 2.5	32.5	100	100	Mbs32HG025	107425	5
1.5	4	2.5 - 4	52	100	100	Mbs32HG040	107426	5
2.2	6.3	4 - 6.3	81.9	100	100	Mbs32HG063	107427	5
3/4	10	6.3 - 10	130	100	100	Mbs32HG100	107428	5
5.5	13	9 - 13	169	100	100	Mbs32HG130	107429	5
7.5	16	11 - 16	208	50	38	Mbs32HG160	107430	5
10	20	14 - 20	260	50	38	Mbs32HG200	107431	5
11	25	19 - 25	325	50	38	Mbs32HG250	107432	5
15	32	24 - 32	416	50	38	Mbs32HG320	107433	5

(1) Rated current: highest thermal current setting range value.

Magnetic motor protection circuit breakers

Series Mss32 - Standard breaking capacity



Rated power 3 phase motors at 400Vac Pn kW	Rated current In A	Thermal current setting range (1) A	Instantaneous short-circuit release A	Rated ultimate short-circuit breaking capacity at 400V Icu kA	Rated service short-circuit breaking capacity at 400V Ics kA	Cat. No.	Ref. No.	Pack.
0.02	0.16	-	2.1	100	100	Ms32SG001	107443	5
0.06	0.25	-	3.3	100	100	Ms32SG002	107444	5
0.09	0.4	-	5.2	100	100	Ms32SG004	107445	5
0.12/0.18	0.63	-	8.2	100	100	Ms32SG006	107446	5
0.25	1	-	13	100	100	Ms32SG010	107447	5
0.37/0.55	1.6	-	20.8	100	100	Ms32SG016	107448	5
0.75	2.5	-	32.5	100	100	Ms32SG025	107449	5
1.5	4	-	52	100	100	Ms32SG040	107450	5
2.2	6.3	-	81.9	100	100	Ms32SG063	107451	5
3/4	10	-	130	100	100	Ms32SG100	107452	5
5.5	13	-	169	50	38	Ms32SG130	107453	5
7.5	16	-	208	25	19	Ms32SG160	107454	5
10	20	-	260	25	19	Ms32SG200	107455	5
11	25	-	325	25	19	Ms32SG250	107456	5
15	32	-	416	25	19	Ms32SG320	107457	5

(1) Select appropriate thermal overload relay for the starter. See chapter G, pages G.3-G.6

Series Mss32 - High breaking capacity



Rated power 3 phase motors at 400Vac Pn kW	Rated current In A	Thermal current setting range (1) A	Instantaneous short-circuit release A	Rated ultimate short-circuit breaking capaci- ty at 400V Icu kA	Rated service short-circuit breaking capaci- ty at 400V Ics kA	Cat. No.	Ref. No.	Pack.
0.02	0.16	-	2.1	100	100	Ms32HG001	107467	5
0.06	0.25	-	3.3	100	100	Ms32HG002	107468	5
0.09	0.4	-	5.2	100	100	Ms32HG004	107469	5
0.12/0.18	0.63	-	8.2	100	100	Ms32HG006	107470	5
0.25	1	-	13	100	100	Ms32HG010	107471	5
0.37/0.55	1.6	-	20.8	100	100	Ms32HG016	107472	5
0.75	2.5	-	32.5	100	100	Ms32HG025	107473	5
1.5	4	-	52	100	100	Ms32HG040	107474	5
2.2	6.3	-	81.9	100	100	Ms32HG063	107475	5
3/4	10	-	130	100	100	Ms32HG100	107476	5
5.5	13	-	169	100	100	Ms32HG130	107477	5
7.5	16	-	208	50	38	Ms32HG160	107478	5
10	20	-	260	50	38	Ms32HG200	107479	5
11	25	-	325	50	38	Ms32HG250	107480	5
15	32	-	416	50	38	Ms32HG320	107481	5

(1) Select appropriate thermal overload relay for the starter. See chapter G, pages G.3-G.6