

# Product Selection Guide

## Motor protection

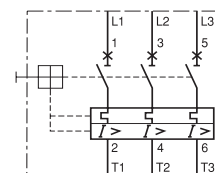
- Adjustable thermal release
- Magnetic release  $13 \times I_e$  max.
- Trip class 10
- Ambient temperature compensation
- Phase-failure protection



GMS-32S



GMS-32H



(Circuit diagram)

Type	Rated operational current $I_e$ [A]	Thermal release Adjustment range [A]	Magnetic release Operating current [A]	Switching of 3 phase AC motors, AC-2, AC-3						440/460V		
				3-phase [kW] (50/60Hz)			3-phase [HP] (60Hz)			$I_{cu}$ [kA]	$I_{cs}$ [kA]	
				230V	400V	690V	230V	460V	575V			
GMS-32S (Standard)	0.16	0.1...0.16	2.1	-	0.02	-	-	-	-	-	100	100
	0.25	0.16...0.25	3.3	0.03	0.06	-	-	-	-	-	100	100
	0.4	0.25...0.4	5.2	0.06	0.09	-	-	-	-	-	100	100
	0.63	0.4...0.63	8.2	0.09	0.12	0.25	-	-	-	-	100	100
	1	0.63...1.0	13	0.12	0.25	0.55	-	1/2	1/2	-	100	100
	1.6	1.0...1.6	20.8	0.25	0.55	1.1	1/3	3/4	1	-	100	100
	2.5	1.6...2.5	32.5	0.37	0.75	1.5	1/2	1 1/2	1 1/2	-	100	100
	4	2.5...4.0	52	0.75	1.5	3	1	2	3	-	50	38
	6	4...6	78	1.5	2.2	4	1 1/2	5	5	-	15	11
	8	5...8	104	1.5	3	5.5	2	5	5	-	15	11
	10	6...10	130	3	4	7.5	3	7 1/2	10	-	15	11
	13	9...13	169	3	5.5	11	3	7 1/2	10	-	10	8
	17	11...17	221	4	7.5	11	5	10	15	-	10	8
	22	14...22	286	4	7.5	15	7 1/2	15	20	-	8	6
26	18...26	338	5.5	11	18.5	7 1/2	15	20	-	8	6	
32	22...32	416	7.5	15	22	10	20	30	-	6	4	
GMS-32H (High break)	0.16	0.1...0.16	2.1	-	0.02	-	-	-	-	-	100	100
	0.25	0.16...0.25	3.3	0.03	0.06	-	-	-	-	-	100	100
	0.4	0.25...0.4	5.2	0.06	0.09	-	-	-	-	-	100	100
	0.63	0.4...0.63	8.2	0.09	0.12	0.25	-	-	-	-	100	100
	1	0.63...1.0	13	0.12	0.25	0.55	-	1/2	1/2	-	100	100
	1.6	1.0...1.6	20.8	0.25	0.55	1.1	1/3	3/4	1	-	100	100
	2.5	1.6...2.5	32.5	0.37	0.75	1.5	1/2	1 1/2	1 1/2	-	100	100
	4	2.5...4.0	52	0.75	1.5	3	1	2	3	-	100	100
	6	4...6	78	1.5	2.2	4	1 1/2	5	5	-	100	100
	8	5...8	104	1.5	3	5.5	2	5	5	-	50	38
	10	6...10	130	3	4	7.5	3	7 1/2	10	-	50	38
	13	9...13	169	3	5.5	11	3	7 1/2	10	-	50	38
	17	11...17	221	4	7.5	11	5	10	15	-	20	15
	22	14...22	286	4	7.5	15	7 1/2	15	20	-	20	15
26	18...26	338	5.5	11	18.5	7 1/2	15	20	-	20	15	
32	22...32	416	7.5	15	22	10	20	30	-	20	15	

# Ordering Guide

## Manual Motor Starter

**GMS**

Manual Motor Starter

**32**

Frame Size

32 - 32AF

63 - 63AF

100 - 100AF

**S**

Breaking Type

**S** - Standard Break  
**H** - High Break  
**HI** - High Break, no TOR  
**HL** - High Break, with  
Class 20 TOR

**0.16A**

Setting Ranges  
(Use upper limit in part number)

0.1 ~ **0.16A**  
0.16 ~ **0.25A**  
0.25 ~ **0.4A**  
0.63 ~ **1A**  
1 ~ **1.6A**  
2.5 ~ **4A**  
4 ~ **6A**  
5 ~ **8A**  
6 ~ **10A**  
9 ~ **13A**  
11 ~ **17A**  
14 ~ **22A**  
18 ~ **26A**  
22 ~ **32A**  
28 ~ **40A**  
34 ~ **50A**  
45 ~ **63A**  
55 ~ **75A**  
70 ~ **90A**  
80 ~ **100A**

(Setting Range Guide)

**GMS-32**

**GMS-63**

**GMS-100**