

Technical Information

IEC performance data (Motor protection)

● GMS-32S

Rated operational current I_e [A]	0.16	0.25	0.4	0.63	1	1.6	2.5	4	6	8	10	13	17	22	26	32
Switching of standard three-phase motors																
AC-2, AC-3																
230/240V [kW]	-	0.03	0.06	0.09	0.12	0.18/0.25	0.37	0.55/0.75	1.1/1.5	1.5	2.2/3	3	3.7/4	4	5.5	7.5
400/415V [kW]	0.02	0.06	0.09	0.12	0.18/0.25	0.37/0.55	0.75	1.1/1.5	2.2	3	3.7/4	5.5	7.5	7.5	11	15
500V [kW]	-	-	-	0.25	0.37	0.55/0.75	1.1	1.5/2.2	3	3.7	4/5.5	7.5	11	11	15	18.5
690V [kW]	-	-	-	0.25	0.37/0.55	0.75/1.1	1.5	2.2/3	3.7/4	5.5	7.5	11	11	15	18.5	22
Back-up fuses																
gG, gL,, only if $I_{cc} > I_{cu}$ (* = No back up fuse required)																
230/240V [A]	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
400/415V [A]	*	*	*	*	*	*	*	*	*	*	80	80	100	100	100	100
440/460V [A]	*	*	*	*	*	*	*	50	50	63	63	80	80	100	100	100
500V [A]	*	*	*	*	*	*	50	40	50	63	63	80	80	80	80	80
690V [A]	*	*	*	*	*	20	35	40	50	63	63	63	63	63	63	63
Ultimate short-circuit breaking capacity I_{cu}																
230/240V [kA]	100	100	100	100	100	100	100	100	100	100	100	100	50	40	40	30
400/415V [kA]	100	100	100	100	100	100	100	100	100	100	50	50	20	15	15	15
440/460V [kA]	100	100	100	100	100	100	100	50	15	15	15	10	8	8	8	6
500V [kA]	100	100	100	100	100	100	50	15	10	10	6	6	6	6	6	5
690V [kA]	100	100	100	100	100	3	3	3	3	3	3	3	3	3	3	3
Rated service short-circuit breaking capacity I_{cs}																
230/240V [kA]	100	100	100	100	100	100	100	100	100	100	100	100	38	30	30	22
400/415V [kA]	100	100	100	100	100	100	100	100	100	100	38	38	15	11	11	11
440/460V [kA]	100	100	100	100	100	100	100	38	11	11	11	8	8	6	6	4
500V [kA]	100	100	100	100	100	100	38	11	8	8	5	5	5	5	5	4
690V [kA]	100	100	100	100	100	3	3	3	3	3	3	3	3	3	3	3

● GMS-32H

Rated operational current I_e [A]	0.16	0.25	0.4	0.63	1	1.6	2.5	4	6	8	10	13	17	22	26	32
Switching of standard three-phase motors																
AC-2, AC-3																
230/240V [kW]	-	0.03	0.06	0.09	0.12	0.18/0.25	0.37	0.55/0.75	1.1/1.5	1.5	2.2/3	3	3.7/4	4	5.5	7.5
400/415V [kW]	0.02	0.06	0.09	0.12	0.18/0.25	0.37/0.55	0.75	1.1/1.5	2.2	3	3.7/4	5.5	7.5	7.5	11	15
500V [kW]	-	-	-	0.25	0.37	0.55/0.75	1.1	1.5/2.2	3	3.7	4/5.5	7.5	11	11	15	18.5
690V [kW]	-	-	-	0.25	0.37/0.55	0.75/1.1	1.5	2.2/3	3.7/4	5.5	7.5	11	11	15	18.5	22
Back-up fuses																
gG, gL,, only if $I_{cc} > I_{cu}$ (* = No back up fuse required)																
230/240V [A]	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
400/415V [A]	*	*	*	*	*	*	*	*	*	*	*	*	100	125	125	125
440/460V [A]	*	*	*	*	*	*	*	*	*	80	80	80	80	100	100	100
500V [A]	*	*	*	*	*	*	*	*	*	63	80	80	80	80	80	80
690V [A]	*	*	*	*	*	*	35	40	50	63	63	63	63	63	63	63
Ultimate short-circuit breaking capacity I_{cu}																
230/240V [kA]	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
400/415V [kA]	100	100	100	100	100	100	100	100	100	100	100	100	50	50	50	50
440/460V [kA]	100	100	100	100	100	100	100	100	100	50	50	50	20	20	20	20
500V [kA]	100	100	100	100	100	100	100	100	100	50	50	42	10	10	10	10
690V [kA]	100	100	100	100	100	100	8	8	6	6	6	6	4	4	4	4
Rated service short-circuit breaking capacity I_{cs}																
230/240V [kA]	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
400/415V [kA]	100	100	100	100	100	100	100	100	100	100	100	100	38	38	38	38
440/460V [kA]	100	100	100	100	100	100	100	100	100	38	38	38	15	15	15	15
500V [kA]	100	100	100	100	100	100	100	100	100	38	38	32	8	8	8	8
690V [kA]	100	100	100	100	100	100	8	8	6	6	6	6	4	4	4	4

Note) * = Short circuit proof up to 50 or 100kA.
No back up fuse required.



UL/CSA performance data (Motor protection)

Manual motor controller
(UL 508, CSA C22.2 as Manual motor controllers)

● **GMS-32S**

Rated operational current I _e [A]		0.16	0.25	0.4	0.63	1	1.6	2.5	4	6	8	10	13	17	22	26	32
Max. short-circuit current																	
240V	[kA]	100	100	100	100	100	100	100	100	100	100	50	50	40	30	30	20
480Y/277V	[kA]	50	50	50	50	50	50	50	50	25	25	10	10	10	10	7.5	7.5
600Y/347V	[kA]	10	10	10	10	10	10	10	5	5	5	5	5	5	5	5	5
Motor load																	
1 Phase	115V [HP]	-	-	-	-	-	-	-	1/8	1/4	1/3	1/2	1/2	1	2	2	2
	230V [HP]	-	-	-	-	-	1/10	1/6	1/3	3/4	1	1½	2	3	3	5	5
3 Phase	230V [HP]	-	-	-	-	-	1/3	1/2	1	1½	2	3	3	5	7½	7½	10
	460V [HP]	-	-	-	-	1/2	3/4	1½	2	5	5	7½	7½	10	15	15	20
	575V [HP]	-	-	-	-	1/2	1	1½	3	5	5	10	10	15	20	20	30
Maximum rated current of fuse or breaker		[A]	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500

Manual motor controller "group installation" or "Type E starter"
(UL 508, CSA C22.2 No..14, for group installation, in connection with a short-circuit protection device)

● **GMS-32H**

Rated operational current I _e [A]		0.16	0.25	0.4	0.63	1	1.6	2.5	4	6	8	10	13	17	22	26	32
Max. short-circuit current																	
240V	[kA]	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
480Y/277V	[kA]	65	65	65	65	65	65	65	65	65	65	65	65	30	30	30	30
600Y/347V	[kA]	25	25	25	25	25	25	25	25	25	25	25	25	10	10	10	10
Motor load																	
1 Phase	115V [HP]	-	-	-	-	-	-	-	1/8	1/4	1/3	1/2	1/2	1	2	2	2
	230V [HP]	-	-	-	-	-	1/10	1/6	1/3	3/4	1	1½	2	3	3	5	5
3 Phase	230V [HP]	-	-	-	-	-	1/3	1/2	1	1½	2	3	3	5	7½	7½	10
	460V [HP]	-	-	-	-	1/2	3/4	1½	2	5	5	7½	7½	10	15	15	20
	575V [HP]	-	-	-	-	1/2	1	1½	3	5	5	10	10	15	20	20	30
Maximum rated current of fuse or breaker		[A]	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500

