

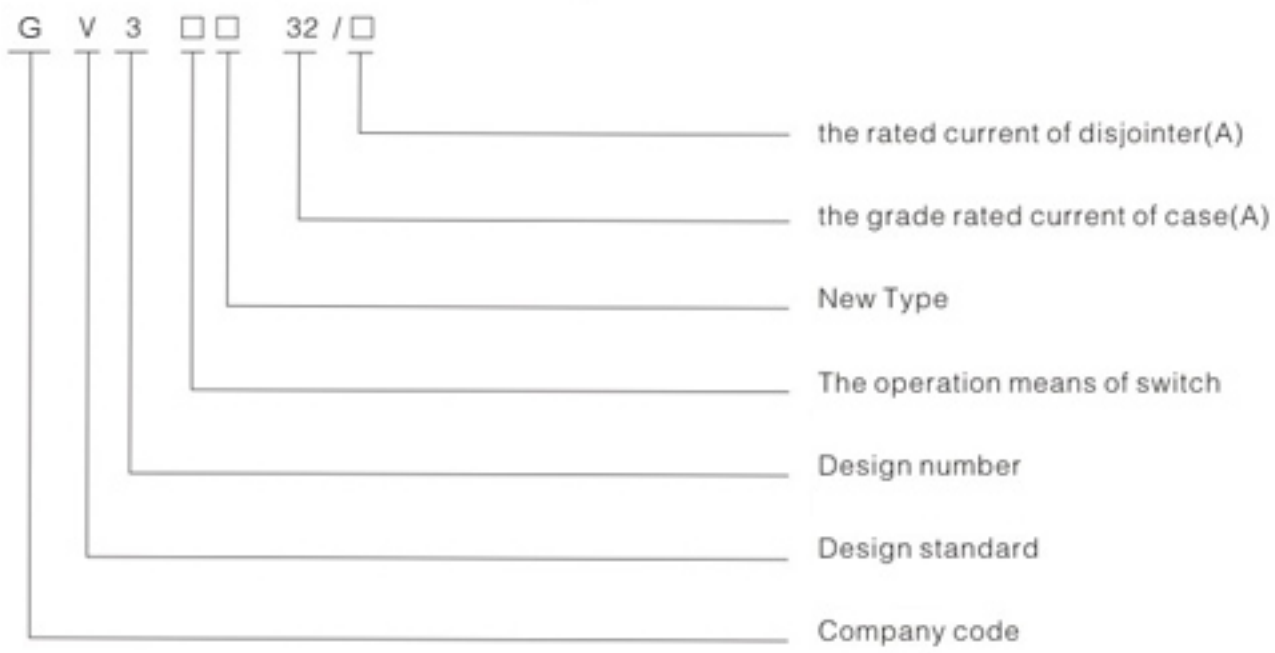


# Motor protection circuit breaker

(GV2, GV3) series motor protection circuit breakers adopt modular design, have a beautiful appearance, small size, phase failure protection, built-in thermal relay, strong functionality, and good universality.

(GV2, GV3) series motor protection circuit breakers are suitable for circuits with AC 50/60Hz, rated working voltage up to 690V, and current ranging from 0.1 to 80A. They are used for overload, phase failure, short circuit protection, and infrequent starting control of three-phase squirrel cage asynchronous motors. They can also be used as distribution line protection and infrequent load switching, and as isolators.

## The model no. and meaning



(GV2) Motor protection circuit breaker

Table 1

(GV2)-M(ME)(P)		(GV2)-RS		(GV2)-PM	
M01C	0.1-0.16	RS01C	0.1-0.16	PM01C	0.1-0.16
M02C	0.16-0.25	RS02C	0.16-0.25	PM02C	0.16-0.25
M03C	0.25-0.40	RS03C	0.25-0.40	PM03C	0.25-0.40
M04C	0.40-0.63	RS04C	0.40-0.63	PM04C	0.40-0.63
M05C	0.63-1	RS05C	0.63-1	PM05C	0.63-1
M06C	1-1.6	RS06C	1-1.6	PM06C	1-1.6
M07C	1.6-2.5	RS07C	1.6-2.5	PM07C	1.6-2.5
M08C	2.5-4	RS08C	2.5-4	PM08C	2.5-4
M10C	4-6.3	RS10C	4-6.3	PM10C	4-6.3
M14C	6-10	RS14C	6-10	PM14C	6-10
M16C	9-14	RS16C	9-14	PM16C	9-14
M18C	10-16	RS18C	10-16	PM18C	10-16
M20C	13-18	RS20C	13-18	PM20C	13-18
M21C	17-23	RS21C	17-23	PM21C	17-23
M22C	20-25	RS22C	20-25	PM22C	20-25
M32C	24-32	RS32C	24-32	PM32C	24-32

The rated power of three-phase electromotor controlled by breaker(GV2 Motor protection circuit breaker)

Table 2

the adjusting range of rated current $I_e$ (A)	The standard power of three-phase electromotor KW. AC-3, 50Hz/60Hz					
	230/240V	400V	415V	440V	500V	690V
0.1-0.16	-	-	-	-	-	-
0.16-0.25	-	-	-	-	-	-
0.25-0.40	-	-	-	-	-	-
0.4-0.63	-	-	-	-	-	0.37
0.63-1	-	-	-	0.37	0.37	0.55
1-1.6	-	0.37	-	0.55	0.75	1.1
1.6-2.5	0.37	0.75	0.75	1.1	1.1	1.5
2.5-4	0.75	1.5	1.5	1.5	2.2	3
4-6.3	1.1	2.2	2.2	3	3.7	4
6-10	2.2	4	4	4	5.5	7.5
9-14	3	5.5	5.5	7.5	7.5	9
13-18	4	7.5	9	9	9	11
17-23	5.5	11	11	11	11	15
20-25	5.5	11	11	11	15	18.5
24-32	7.5	15	15	15	18.5	23

The disjuncting current commuting value of breaker in instant magnetic field.(Refer to table 3)

Table 3

Rated current $I_n$ A	The adjusting range commuting current for coponents A.	The disjuncting current commuting value in instant field $I_n$ A
0.16	0.1-0.16	1.5
0.25	0.16-0.25	2.4
0.4	0.25-0.4	5
0.63	0.4-0.63	8
1	0.63-1	13
1.6	1-1.6	22.5
2.5	1.6-2.5	33.5
4	2.5-4	51
6.3	4-6.3	78
10	6-10	138
14	9-14	170
18	13-18	223
23	17-23	327
25	20-25	327
32	24-32	416