

Capacitor contactors

Description

- GMC(D)-□C, a contactor or special use, is adjusted for switching single-step or multiple-step condenser bank.
- It is standardized by IEC-60947-4941, UL and CSA.

Operation Condition

Operating Times	GMC(D)-9C, 12C, 18C, 22C, 32C, 40C	240 times/h
	GMC-50C, 65C, 75C, 85C	100 times/h
Electrical Endurance	GMC(D)-9C, 12C, 18C, 22C, 32C, 40C	200,000 times/h
	GMC-50C, 65C, 75C, 85C	100,000 times/h

1. When the switch is closed condenser must be discharged before recharged.
(Maximum residual voltage at terminals $\leq 50V$)
2. In working voltage 500V ($U_e=500V$), 100,000 times for GMC(D)-9C~40C and 80,000 times for GMC(D)-50C~85C
3. To prevent short current, gG type Fuse must be 1.5~2 times than rated current.
4. It must be separated from resistant wire

Rating

Type Note1)	Maximum Operating Power (kVar)			Rated current (A)	Applied unit
	220~240V	400~440V	600~550V		
GMC(D)-9C	5	9.7	14	14	AC-9 83631611001
GMC(D)-12C	6.7	12.5	18	18	AC-9 83631611001
GMC(D)-18C	8.5	16.7	24	24	AC-9 83631611001
GMC(D)-22C	10	18	26	26	AC-9 83631611001
GMC(D)-32C	15	25	36	36	AC-9 83631611001
GMC(D)-40C	20	33.3	48	48	AC-9 83631611001
GMC(D)-50C	22	40	58	58	AC-50 83631613001
GMC(D)-65C	25	45.7	66	66	AC-50 83631613001
GMC(D)-75C	29.7	54	78	78	AC-50 83631613001
GMC(D)-85C	35	60	92	92	AC-50 83631613001

Circumstance Temp. $\theta \leq 55^\circ C$ Note2)

Note1) LG supply capacitor unit (AC-9 and AC-50) separately with Magnetic contactor. So, customer needs to issue an order for Magnetic Contactor (GMC or GMD series) and capacitor unit (AC-9 or AC-50) separately.

Note2) The average temperature over a 24-hour period, in accordance with standards IEC 70 and 831 is $45^\circ C$

For more information

Drawings

➔ page 206