







CONTACT RATING

MAIN FEATURE

- 1. Miniature size with low power consumption for rated loading to 12A.
- 2. Surge Strength up to 10,000V.
- 3. Operating temperature up to 105°C.
- 4. Halogen Free series available.
- 5. UL Class F insulation available.
- 6. Comply with RoHS and REACH regulations.

Load Type	GQ (LM)	GQ (LM1)
	5A 250VAC	10A 250VAC
Rated Load (Resistive)	-	12A 125VAC
rated Load (resistive)	5A 30VDC	10A 30VDC
	-	10A 277VAC
Contact Capacity	-	TV-5 120VAC
Rated Carrying Current	5A	10A
Max. Allowable Voltage	AC 250V	AC 250V
	DC 30V	DC 30V
Max. Allowable Current	5A	12A
May Allewahle Dewer Force	1,250VA	2,500VA
Max. Allowable Power Force	150W	300W
Contact Material	Ag Alloy	Ag Alloy
Contact Form	SPST	SPST

APPLICATION

Domestic Appliances, Office Machines, Audio Equipment, etc.

PERFORMANCE (AT INITIAL VALUE)

•	•
■ Contact Resistance ■ Operate Time	_
■ Release Time ■ Dielectric Strength:	
Between Coil & Contact	
Between Contacts	for one minute1,000VAC at 50/60 Hz For one minute
■ Surge Strength	
■ Insulation Resistance	100 MegaΩ Min. at 500VDC
■ Max. On/Off Switching:	0.0
Electrical Mechanical	300 Cycles per Minute
■ Temperature Range	40∼+105°C

Vibration:	

Destruction	 10 to 55 to 10 Hz,0.75 mm single
	amplitude (1.5mm double amplitude)
Malfunction	10 to 55 to 10 Hz,0.75 mm single amplitude (1.5mm double amplitude)
Shock:	ampiitado (monimi dodolo ampiitado)
Destruction	 1,000 m/S ²
Malfunction	 100 m/S ²

■ Life Expectancy:

-	Life Expectation.		
	Mechanical	10 ⁷	Operations at no
		Load	d condition
	Electrical	10 ⁵	Operations at
		Rate	d Resistive Load
		2.5x	10 ⁴ Operations at
		TV F	Rated Load
	Weight	Abou	ut 9.0 g

SAFETY STANDARD & FILE NUMBER

■ LM:

UL &	C-UL	E141060
TÜV		R50121172
VDE		40025456
■ LM1:		

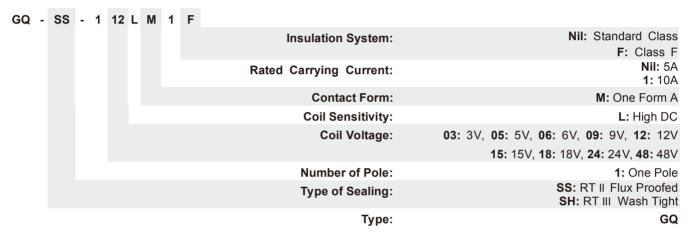
UL & C-UL	E141060
TÜV	R50121172
COC	14002112636

■ Humidity Range45~85% RH. ■ Coil Temperature Rise40°C Max.

COIL SPECIFICATION (AT 20°C)

Coil Sensitivity	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance (Ω±10%)	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Maximum Allowable Voltage (VDC)
	3	67	45		ot. 0.20 80% Maximum	5% Minimum	110%
	5	40	125				
	6	33.3	180				
	9	22.5	400				
GQ	12	16.7	720	Abt 0.20			
٥٩	15	13.3 1,	1,125	Abt. 0.20			
	18	11.1	1,620				
	24	8.3	2,880				
	48	4.2	11,520				

ORDERING INFORMATION



CLASSIFICATION

Model	GQ				
Rated Carrying Current	5A	10A			
Flux Proofed	GQ-SS-1□□LM	GQ-SS-1□□LM1/F			
Wash Tight	GQ-SH-1□□LM	GQ-SH-1 LM1/F			

DIMENSION (≤5mm ± 0.2mm, > 5mm ± 0.3mm, the tolerance of PCB thru hole: +0.1mm)

