

# DG series

## ■ Features

- General purpose miniature power relay boasting high reliability and achievement.
- PCB type.
- Small size, easy to use 1a relay.
- Ideal for TV power supply, audio power supply, etc.
- Conforms to the various safety standards.
- We prepare contact current 5A and high capacity type 10A and 16A.
- We prepare contact gap 1mm products suitable for interlock of copiers etc.

## ■ Model numbering system



Rated coil voltage: Numeric part indication  
DC (V): 3, 5  
12, 24

Coil type D: DC

Number of contact poles 1: 1 pole

Shape indication O: PCB terminal

Contact configuration (M): Make contact

Structure of operate II: Pushing the upper side of contact  
III: Pushing the under side of contact

Contact current Nil: 5A  
-10A: 10A  
16A: 16A

Contact gap Nil: Standard type  
1G: 1mm gap

## ■ Safety standards

	Contact rating		
	DG1U-II	DG1U-III	DG1U-III 16A
UL	5A 125/250VAC 5A 30VDC TV-5, TV-8 120/250VAC	5A 125/250VAC 5A 30VDC TV-5 120/250VAC, 10A 250VAC	16A 277VAC
CSA	5A 125/250VAC 5A 30VDC TV-5, TV-8 120VAC	5A 125/250VAC 5A 30VDC TV-5 120VAC, 10A 250VAC	
SEMKO	3/120A, 8/120A 8/60A, 4/135A 250VAC	10A 250VAC	
TUV	3A 5A 8A 250VAC 3A 5A 8A 30VDC	5A 8A 250VAC 10A 250VAC	16A 250VAC
CQC	5A 250VAC	10A 250VAC	16A 250VAC

Electrical Appliances and  
Materials Safety Act

Conformable

## ■ Coil ratings

AC/DC	Item Voltage	Power consumption 0.25W		Power consumption 0.53W		Operate voltage (V)	Release voltage (V)	Maximum voltage (V)	Power consumption
		Rated current (mA)	Coil resistance (Ω)	Rated current (mA)	Coil resistance (Ω)				
DC	3	—	—	176.5	17	80% max.	5% min.	110%	0.25W 0.53W
	5	50	100	106	47				
	12	20.8	576	44	275				
	24	10.4	2300	22	1100				

- Notes:
1. Rated current and coil resistance are values at coil temperature of 20°C, tolerance is ±10%.
  2. Operate voltage and release voltage are values at coil temperature of 20°C.
  3. Maximum voltage is the maximum value of the allowable voltage fluctuation range of the relay coil operating power supply with the ambient temperature at 20°C.

DEC is a professional manufacturer of relays

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