

G5RL-U/-K

PCB Power Relay

16 A High Switching Current, General-purpose Latching Relay

- Creepage distance 8 mm between coil and contacts.
- 10 kV Impulse withstand voltage.
- Ambient Operating Temperature 85°C
- Suitable for TV-8 rating. (SPST-NO (1a))

RoHS Compliant



NEW

Model Number Legend

G5RL-□□□-□
1 2 3 4

1. Relay Function

U : Single-winding latching
K : Double-winding latching

3. Contact Form

None: SPDT (1c)
A : SPST-NO (1a)

2. Number of poles

1 : 1-Pole

4. Classification

E : High-capacity

Application Examples

- Housing equipments
- Building Automation
- UPS, FA equipment
- Electric power meter

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Ordering Information

Classification	Terminal Shape	Contact form	Enclosure rating	Single-winding latching		Double-winding latching		Minimum packing unit
				Model	Rated coil voltage	Model	Rated coil voltage	
High-capacity	PCB terminals	SPST-NO (1a)	Flux protection	G5RL-U1A-E	3 VDC 5 VDC 6 VDC	G5RL-K1A-E	5 VDC 12 VDC 24 VDC	100 pcs/tray
		SPDT (1c)		G5RL-U1-E	12 VDC 24 VDC	G5RL-K1-E		

Note. When ordering, add the rated coil voltage to the model number.

Example: G5RL-U1A-E DC5

□□—Rated coil voltage

However, the notation of the coil voltage on the product case as well as on the packing will be marked as □□ VDC.

Ratings

Coil

Single-winding Latching Type

Rated Voltage	Rated current (mA)	Coil resistance (Ω)	Must set voltage	Must reset voltage	Max voltage	Power consumption (W)
			% of rated voltage			
3 VDC	200	15	70% max.	70% max.	130%	Approx. 0.6
5 VDC	120	41.7				
6 VDC	100	60				
12 VDC	50	240				
24 VDC	25	960				

Double-winding Latching Type

Rated Voltage	Rated current (mA)		Coil resistance (Ω)		Must set voltage	Must reset voltage	Max voltage	Power consumption (W)	
	Set coil	Reset coil	Set coil	Reset coil				Set coil	Reset coil
5 VDC	150		33.3		70% max.	70% max.	130%	Approx. 0.75	
12 VDC	62.5		192					Approx. 0.84	
24 VDC	35		686						

Note. The rated current and resistance are measured at a coil temperature of 23°C with a tolerance of ±10%.