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



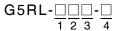
■Application Examples

· Housing equipments

 Building Automation • UPS, FA equipment

• Electric power meter

■Model Number Legend



1. Relay Function 3. Contact Form U : Single-winding latching None: SPDT (1c) K: Double-winding latching A: SPST-NO (1a) 2. Number of poles 4. Classification 1: 1-Pole

■Ordering Information

Classification	Terminal Shape	Contact form	Enclosure rating	Single-wind	ling latching	Double-winding latching		Minimum
				Model	Rated coil voltage	Model	Rated coil voltage	packing unit
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

E: High-capacity

However, the notation of the coil voltage on the product case as well as on the packing will be marked as $\square\square$ 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	
	(IIIA)			(W)			
3 VDC	200	15					
5 VDC	120	41.7		70% max.	130%	Approx. 0.6	
6 VDC	100	60	70% max.				
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	t coil % of rated voltage		Set coil	Reset coil	
5 VDC	150		33.3		70% max. 70% max		130%	Approx. 0.75	
12 VDC	62.5		192			70% max.			
24 VDC	35		686					Approx. 0.84	

Note. The rated current and resistance are measured at a coil temperature of $23^{\circ}C$ with a tolerance of $\pm 10\%$.