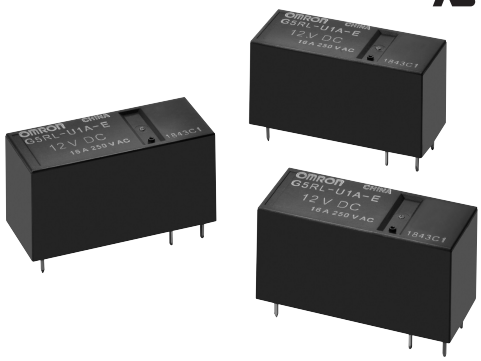
G5RL-U/-K

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



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■Model Number Legend

G5RL-□□□-□
1 2 3 4

1. Relay Function
U : Single-winding latching
K : Double-winding latching

2. Number of poles
1 : 1-Pole

3. Contact Form
None: SPDT (1c)
A : SPST-NO (1a)

4. Classification
E : High-capacity

■Application Examples

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

■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 12 VDC 24 VDC	**G5RL-K1A-E**	5 VDC 12 VDC 24 VDC	100 pcs/tray
		SPDT (1c)		**G5RL-U1-E**		**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	% 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						
24 VDC	35		686					Approx. 0.84	

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