

OMRON Power PCB Relays



OMRON G5LE SERIES: 10A "SUGAR CUBE" POWER PCB RELAYS

Specifications:

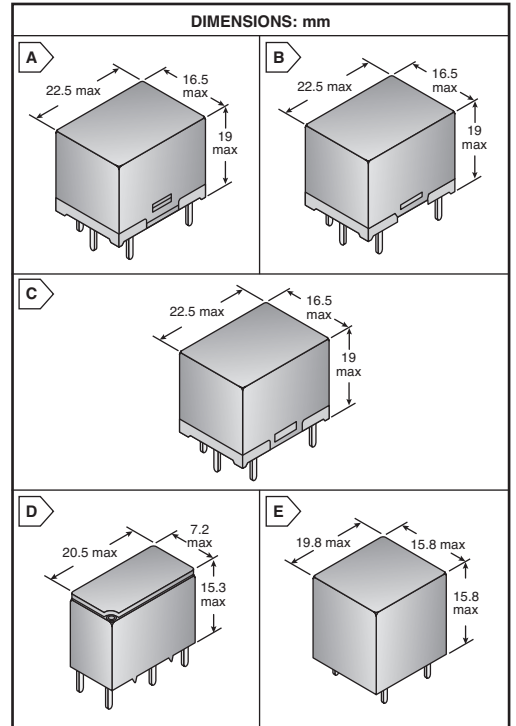
- Contact rating: 10A @ 120VAC for standard
10A @ 35VDC for 0.8mm Contact Gap
- 16A at 250VAC for High-Capacity

- Universal footprint
- Insulation: Class B for Standard
Class F for 0.8mm Contact Gap and High-Capacity
- Withstands impulse of up to 4,500V

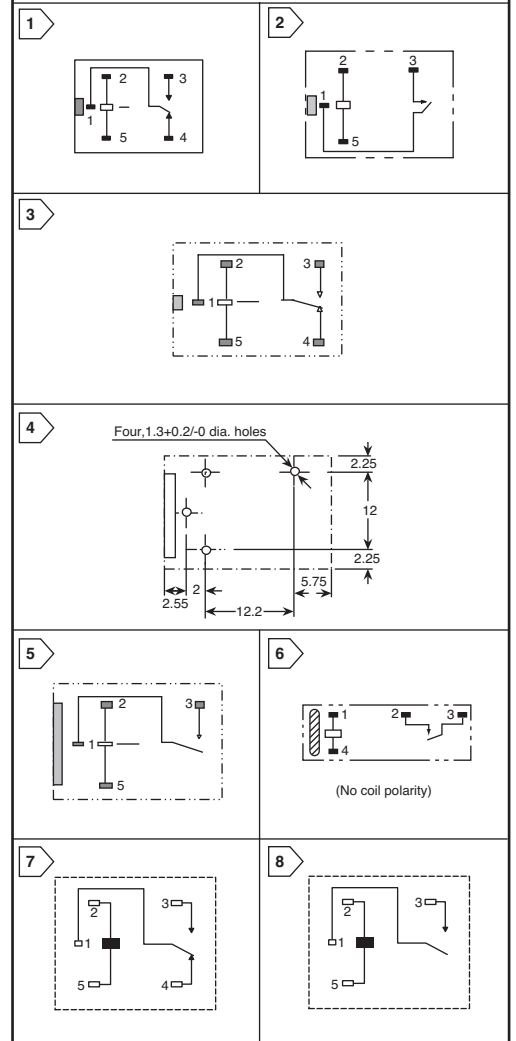


For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Rated Coil Voltage	Rated Coil Current	Coil Power Consumption	Price Each			
							1	25	50	100
Standard, AgSnO2 Contact Material, Flux Protection Enclosure Rating										
653-G5LE-1-DC5	G5LE-1-DC5	A1	SPDT	5VDC	79.4mA	400mW	.90	.85	.82	.79
653-G5LE-1-DC12	G5LE-1-DC12	A1	SPDT	12VDC	33.3mA	400mW	.91	.86	.84	.80
653-G5LE-1-DC24	G5LE-1-DC24	A1	SPDT	24VDC	16.7mA	400mW	.91	.86	.84	.80
653-G5LE-1A4-DC5	G5LE-1A4-DC5	A1	SPST-NO	5VDC	79.4mA	400mW	.78	.75	.72	.66
Standard, AgSnO2 Contact Material, Fully Sealed Enclosure Rating										
653-G5LE-14-DC5	G5LE-14-DC5	A1	SPDT	5VDC	79.4mA	400mW	.88	.83	.81	.77
653-G5LE-14-DC6	G5LE-14-DC6	A1	SPDT	6VDC	66.7mA	400mW	.88	.83	.81	.77
653-G5LE-14-DC9	G5LE-14-DC9	A1	SPDT	9VDC	45mA	400mW	.88	.83	.81	.77
653-G5LE-14-DC12	G5LE-14-DC12	A1	SPDT	12VDC	33.3mA	400mW	1.02	.97	.94	.90
653-G5LE-14-DC24	G5LE-14-DC24	A1	SPDT	24VDC	16.7mA	400mW	1.02	.97	.94	.90
653-G5LE-1A4-DC5	G5LE-1A4-DC5	A2	SPST-NO	5VDC	79.4mA	400mW	.87	.82	.80	.75
653-G5LE-1A4-DC9	G5LE-1A4-DC9	A2	SPST-NO	9VDC	45mA	400mW	.87	.82	.80	.75
653-G5LE-1A4-DC12	G5LE-1A4-DC12	A2	SPST-NO	12VDC	33.3mA	400mW	1.45	1.40	1.32	1.30
653-G5LE-1A4-DC24	G5LE-1A4-DC24	A2	SPST-NO	24VDC	16.7mA	400mW	1.44	1.33	1.18	1.06
High Capacity, AgSnIn Contact Material, Flux Protection Enclosure Rating										
653-G5LE-1-E-36-DC5	G5LE-1-E-36-DC5	B3	SPDT	5VDC	72mA	360mW	1.84	1.72	1.65	1.55
653-G5LE-1-E-36-DC12	G5LE-1-E-36-DC12	B3	SPDT	12VDC	30mA	360mW	1.84	1.72	1.65	1.55
653-G5LE-1-E-36-DC24	G5LE-1-E-36-DC24	B3	SPDT	24VDC	15mA	360mW	1.84	1.72	1.65	1.55
653-G5LE-1-E-DC5	G5LE-1-E-DC5	B3	SPDT	5VDC	79.4mA	400mW	1.73	1.63	1.58	1.50
653-G5LE-1-E-DC12	G5LE-1-E-DC12	B3	SPDT	12VDC	33.3mA	400mW	1.73	1.63	1.58	1.50
653-G5LE-1-E-DC24	G5LE-1-E-DC24	B3	SPDT	24VDC	16.7mA	400mW	1.73	1.63	1.58	1.50
0.8mm Contact Gap, AgSnIn Contact Material, Flux Protection Enclosure Rating										
653-G5LE-1-G-DC12	G5LE-1-G-DC12	C4	SPDT	12VDC	33.3mA	700mW	1.59	1.44	1.38	1.32
653-G5LE-1-G-DC24	G5LE-1-G-DC24	C4	SPDT	24VDC	16.7mA	700mW	1.59	1.44	1.38	1.32
653-G5LE-1A-E-DC5	G5LE-1A-E-DC5	B5	SPST-NO	5VDC	79.4mA	400mW	1.74	1.64	1.55	1.48
653-G5LE-1A-E-DC12	G5LE-1A-E-DC12	B5	SPST-NO	12VDC	33.3mA	400mW	1.74	1.64	1.55	1.48
653-G5LE-1A-E-DC24	G5LE-1A-E-DC24	B5	SPST-NO	24VDC	16.7mA	400mW	1.74	1.64	1.55	1.48



TERMINAL ARRANGEMENT



OMRON G5NB SERIES: 3A PCB RELAY W/ HIGH WITHSTAND VOLTAGE

Specifications:

- Rated Load: 3A @ 125VAC/30VDC; 5A @ 250VAC and 3A @ 30VDC
- Impulse withstand voltage: 10,000 V between coil and contacts

Features:

- Standard models switch up to 3A; High-capacity models switch up to 5A (AC loads only)
- Low power consumption (200 mW)



RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Rated Coil Voltage	Rated Coil Current	Price Each				
						1	25	50	100	
Standard, Flux-tight										
653-G5NB-1A-DC5	G5NB-1A-DC5	D6	SPST-NO	5 VDC	40 mA	1.60	1.50	1.47	1.39	
653-G5NB-1A-DC12	G5NB-1A-DC12	D6	SPST-NO	12 VDC	16.7 mA	1.60	1.50	1.47	1.39	
653-G5NB-1A-DC24	G5NB-1A-DC24	D6	SPST-NO	24 VDC	8.3 mA	1.80	1.69	1.65	1.57	
Standard, Sealed										
653-G5NB-1A4DC5	G5NB-1A4 DC5	D6	SPST-NO	5 VDC	40 mA	1.65	1.55	1.51	1.43	
653-G5NB-1A4DC12	G5NB-1A4 DC12	D6	SPST-NO	12 VDC	16.7 mA	1.65	1.55	1.51	1.43	
653-G5NB-1A4DC24	G5NB-1A4 DC24	D6	SPST-NO	24 VDC	8.3 mA	1.85	1.74	1.70	1.61	
Hi-Capacity, Flux-tight										
653-G5NB-1A-E-DC5	G5NB-1A-E-DC5	D6	SPST-NO	5 VDC	40 mA	1.63	1.53	1.49	1.42	
653-G5NB-1A-E-DC12	G5NB-1A-E-DC12	D6	SPST-NO	12 VDC	16.7 mA	1.63	1.53	1.49	1.42	
653-G5NB-1A-E-DC24	G5NB-1A-E-DC24	D6	SPST-NO	24 VDC	8.3 mA	1.83	1.72	1.68	1.59	
Hi-Capacity, Sealed										
653-G5NB-1A4-E-DC5	G5NB-1A4-E-DC5	D6	SPST-NO	5 VDC	40 mA	1.68	1.58	1.54	1.46	
653-G5NB-1A4-E-DC12	G5NB-1A4-E-DC12	D6	SPST-NO	12 VDC	16.7 mA	1.68	1.58	1.54	1.46	
653-G5NB-1A4-E-DC24	G5NB-1A4-E-DC24	D6	SPST-NO	24 VDC	8.3 mA	1.88	1.77	1.72	1.63	

OMRON G5LA SERIES: FULLY SEALED POWER PCB RELAYS

Specifications:

- Sub miniature: "Sugar Cube" relay with universal terminal footprint
- Conforms to VDE0435, UL508, CSA22.2, CQC
- High switching power: 10A 250VAC
- Withstands impulse of up to 4,500V
- Coil power consumption: 360mW

- Tracking resistance: CTI>250
- Contains no lead inside and features cadmium-free contacts ensuring environment-friendly use
- Class F Classification
- Contact Rating: 10A @ 250VAC (NO)/ 5A @ 125VAC (NO/NC)



RoHS Compliant

* Flux protection enclosure rating

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Rated Coil Voltage	Rated Coil Current	Price Each			
						1	25	50	100
653-G5LA-14-DC5	G5LA-14-DC5	E7	SPDT	5VDC	72mA	.79	.76	.74	.72
653-G5LA-14-DC9	G5LA-14-DC9	E7	SPDT	9VDC	40mA	1.00	.89	.79	.71
653-G5LA-14-DC12	G5LA-14-DC12	E7	SPDT	12VDC	30mA	1.06	.76	.74	.72
653-G5LA-14-DC24	G5LA-14-DC24	E7	SPDT	24VDC	15mA	.82	.79	.77	.74
*653-G5LA-1-DC5	G5LA-1-DC5	E8	SPST-NO	5VDC	72mA	.72	.70	.68	.67
653-G5LA-1A4-DC5	G5LA-1A4-DC5	E8	SPST-NO	5VDC	72mA	.97	.87	.77	.69
653-G5LA-1A4-DC9	G5LA-1A4-DC9	E8	SPST-NO	9VDC	40mA	.97	.87	.77	.69
653-G5LA-1A4-DC12	G5LA-1A4-DC12	E8	SPST-NO	12VDC	30mA	.77	.74	.72	.69
653-G5LA-1A4-DC24	G5LA-1A4-DC24	E8	SPST-NO	24VDC	15mA	.79	.76	.74	.67
653-G5LA-1A4-DC48	G5LA-1A4-DC48	E8	SPST-NO	48VDC	10mA	1.14	1.02	.90	.81
653-G5LA-14-CF-DC5	G5LA-14-CF-DC5	E7	SPDT	5VDC	72mA	1.07	.96	.85	.76
653-G5LA-14-CF-DC12	G5LA-14-CF-DC12	E7	SPDT	12VDC	30mA	1.07	.96	.85	.76
653-G5LA-14-CF-DC24	G5LA-14-CF-DC24	E7	SPDT	24VDC	15mA	1.04	1.01	.96	.86
653-G5LA-14-CF-DC48	G5LA-14-CF-DC48	E7	SPDT	48VDC	10mA	1.16	1.10	.98	.88

