

OMRON Power PCB Relays



RoHS Compliant This product is RoHS compliant.

OMRON G2R SERIES: VERSATILE POWER PCB RELAYS

Specifications:

- Rated load: @ 250VAC/30VDC
- 1-Pole (General Purpose/Upper Mount) 10A
- 1-Pole (High-Capacity) 16A
- 2-Pole (General Purpose) 5A
- 2-Pole (High-Sensitivity/Latching) 3A
- Contact material: Ag alloy

Features:

- Creepage distance of 8.0mm between coil and contact
- Highly stable magnetic circuit for latching endurance and excellent resistance to vibration and shock
- Safety-oriented design assures high surge resistance: 10,000V min. between coil and contacts



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Rated Current (mA)	Coil Resistance (Ω)	Coil Voltage (VDC)	Price Each			
							1	25	50	100
General Purpose, Unsealed, Plug-in Terminals										
653-G2R-1-SDC6S	G2R-1-SDC6(S)	A1	SPDT	87.0	69	6	4.00	3.70	3.40	3.20
LED Indicator and Diode, Unsealed, Plug-in Terminals										
653-G2R-1SND-DC12S	G2R-1SND-DC12S	A2	SPDT	43.6	275	12	9.44	8.58	7.74	6.99
LED Indicator and Diode with Test Button, Unsealed										
653-G2R-1SNDI-DC24S	G2R-1SNDI-DC24S	A2	SPDT	21.6	1113	24	9.55	9.06	8.06	7.75
General Purpose, Semi-Sealed, Non-Latching, PCB Terminals										
653-G2R-1A-DC24	G2R-1A-DC24	A3	SPST-NO	21.8	1100	24	3.22	2.93	2.68	2.48
653-G2R-1-DC5	G2R-1-DC5	A4	SPDT	106.0	47	5	3.61	3.32	3.07	2.73
653-G2R-1-DC12	G2R-1-DC12	A4	SPDT	43.6	275	12	2.87	2.77	2.63	2.54
653-G2R-1-DC24	G2R-1-DC24	A4	SPDT	21.8	1100	24	4.14	3.87	3.69	3.53
653-G2R-2A-DC12	G2R-2A-DC12	A5	DPST-NO	43.6	275	12	3.71	3.37	3.09	2.85
653-G2R-2A-DC24	G2R-2A-DC24	A5	DPST-NO	21.8	1100	24	3.71	3.37	3.09	2.85
653-G2R-2-DC5	G2R-2-DC5	A6	DPDT	106.0	47	5	4.89	4.44	4.07	3.77
653-G2R-2-DC6	G2R-2-DC6	A6	DPDT	88.2	68	6	4.98	4.52	4.14	3.83
653-G2R-2-DC12	G2R-2-DC12	A6	DPDT	43.6	275	12	3.54	3.32	3.16	3.03
653-G2R-2-DC24	G2R-2-DC24	A6	DPDT	21.8	1100	24	5.64	5.12	4.70	4.34
653-G2R-2-DC48	G2R-2-DC48	A6	DPDT	11.5	4170	48	4.79	4.35	3.99	3.68
* 653-G2R-2-AC24	G2R-2-AC24	A6	DPDT	37.5	260	24VAC	8.45	7.68	7.04	6.50
* 653-G2R-2-AC120	G2R-2-AC120	A6	DPDT	7.5	6500	120VAC	8.41	7.88	7.52	7.20
General Purpose, Sealed, Non-Latching, PCB Terminals										
653-G2R-1A4-DC5	G2R-1A4-DC5	A3	SPST-NO	106.0	47	5	4.15	3.76	3.45	3.19
653-G2R-1A4-DC12	G2R-1A4-DC12	A3	SPST-NO	43.6	275	12	3.45	3.36	3.16	3.09
653-G2R-1A4-DC24	G2R-1A4-DC24	A3	SPST-NO	21.8	1100	24	4.11	3.85	3.66	3.50
* 653-G2R-1A4-AC120	G2R-1A4-AC120	A3	SPST-NO	7.5	6500	120VAC	6.21	6.04	5.68	5.60
653-G2R-14-DC5	G2R-14-DC5	A4	SPDT	106.0	47	5	4.33	4.04	3.89	3.63
653-G2R-14-DC12	G2R-14-DC12	A4	SPDT	43.6	275	12	3.23	3.02	2.89	2.76
653-G2R-14-DC24	G2R-14-DC24	A4	SPDT	21.8	1100	24	3.51	3.29	3.14	3.01
653-G2R-14-DC48	G2R-14-DC48	A4	SPDT	11.5	4170	48	4.18	3.80	3.48	3.22
* 653-G2R-14-AC24	G2R-14-AC24	A4	SPDT	37.5	260	24VAC	7.21	6.76	6.46	6.17
* 653-G2R-14-AC120	G2R-14-AC120	A4	SPDT	7.5	6500	120VAC	8.34	7.51	6.66	6.00
* 653-G2R-14-AC240	G2R-14-AC240	A4	SPDT	3.8	30,000	240VAC	13.39	12.66	11.25	10.44
653-G2R-2A4-DC12	G2R-2A4-DC12	A5	DPST-NO	43.6	275	12	4.83	4.40	4.03	3.71
653-G2R-2A4-DC24	G2R-2A4-DC24	A5	DPST-NO	21.8	1100	24	5.69	5.17	4.74	4.37
653-G2R-24-DC5	G2R-24-DC5	A6	DPDT	106.0	47	5	4.09	3.72	3.41	3.14
653-G2R-24-DC12	G2R-24-DC12	A6	DPDT	43.6	275	12	3.55	3.33	3.18	3.03
653-G2R-24-DC24	G2R-24-DC24	A6	DPDT	21.8	1100	24	4.09	3.72	3.41	3.14
* 653-G2R-24-AC24	G2R-24-AC24	A6	DPDT	37.5	260	24VAC	9.26	8.75	7.77	7.01
* 653-G2R-24-AC120	G2R-24-AC120	A6	DPDT	7.5	6500	120VAC	9.01	8.44	8.07	7.56
High-Capacity, Semi-Sealed, Non-Latching, PCB Terminals										
653-G2R-1A-E-DC5	G2R-1A-E-DC5	A7	SPST-NO	106.0	47	5	3.86	3.51	3.22	2.94
653-G2R-1A-E-DC12	G2R-1A-E-DC12	A7	SPST-NO	43.6	275	12	3.81	3.56	3.42	3.19
653-G2R-1A-E-DC24	G2R-1A-E-DC24	A7	SPST-NO	21.8	1100	24	4.08	3.68	3.27	2.94
653-G2R-1A-E-DC48	G2R-1A-E-DC48	A7	SPST-NO	11.5	4170	48	6.02	5.47	5.01	4.63
** 653-G2R-1A-ET13-DC24	G2R-1A-E-T130-DC24	A7	SPST-NO	21.8	1100	24	6.31	5.68	5.05	4.54
* 653-G2R-1A-E-AC120	G2R-1A-E-AC120	A7	SPST-NO	7.5	6500	120VAC	7.98	7.17	6.38	5.73
653-G2R-1-E-DC5	G2R-1-E-DC5	A8	SPDT	106.0	47	5	4.45	4.04	3.70	3.42
653-G2R-1-E-DC12	G2R-1-E-DC12	A8	SPDT	43.6	275	12	3.60	3.37	3.23	3.07
653-G2R-1-E-DC18	G2R-1-E-DC18	A8	SPDT	29.4	612	18	4.88	4.45	4.08	3.76
653-G2R-1-E-DC24	G2R-1-E-DC24	A8	SPDT	21.8	1100	24	4.60	4.18	3.82	3.54
* 653-G2R-1-E-AC120	G2R-1E-AC120	A8	SPDT	7.5	6500	120VAC	7.85	7.14	6.54	6.04
Upper Mounting Bracket, Non-Latching, QC Terminals										
653-G2R-1A-TDC12	G2R-1A-T-DC12	B9	SPST-NO	43.6	275	12	3.99	3.74	3.55	3.41
653-G2R-1A-TDC24	G2R-1A-T-DC24	B9	SPST-NO	21.8	1100	24	3.98	3.74	3.57	3.41
* 653-G2R-1A-T-AC24	G2R-1A-T-AC24	B9	SPST-NO	37.5	260	24VAC	7.28	6.62	6.07	5.60
* 653-G2R-1ATAC120	G2R-1A-T-AC120	B9	SPST-NO	7.5	6500	120VAC	7.29	6.84	6.52	6.25
653-G2R-1-TDC5	G2R-1-T-DC5	B10	SPDT	106.0	47	5	5.22	4.74	4.35	4.01
* 653-G2R-1-T-AC24	G2R-1-T-AC24	B10	SPDT	37.5	260	24VAC	6.06	5.68	5.44	5.21
* 653-G2R-1-T-AC120	G2R-1-T-AC120	B10	SPDT	7.5	6500	120VAC	6.76	6.32	6.04	5.78
High-Sensitivity, Sealed, Non-Latching, PCB Terminals										
653-G2R-24-H-DC12	G2R-24-H-DC12	A6	DPDT	30.0	400	12	7.27	6.61	6.06	5.59
Dual Coil Latching, Semi-Sealed										
† 653-G2RK-1-DC24	G2RK-1-DC24	C11	SPDT	34.6	694	24	7.04	6.40	5.87	5.42
† 653-G2RK-2-DC12	G2RK-2-DC12	C12	DPDT	70.6	170	12	7.97	7.24	6.64	5.97
† 653-G2RK-2-DC24	G2RK-2-DC24	C12	DPDT	34.6	694	24	6.65	6.04	5.54	5.11

*Rated current @ 60Hz **Class B Insulation † Set Coil Ratings

OMRON G2RG SERIES: DPST-NO FULLY SEALED POWER PCB RELAYS

Specifications:

- Rated load: 8A @ 250VAC
- Contact material: AgSnO
- Power consumption: 800mW

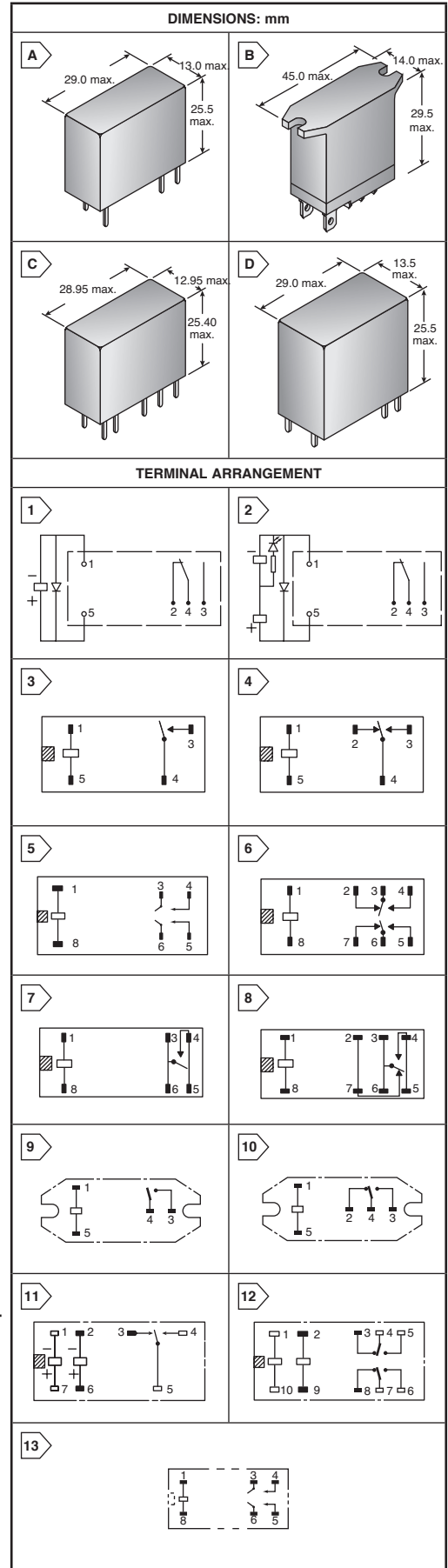
Features:

- Power relay with 1.5mm contact gap
- Tracking resistance: CTI > 250V
- 10kV impulse withstand voltage between coil and contacts



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Current (mA)	Coil Resistance (Ω)	Coil Voltage (VDC)	Price Each			
						1	25	50	100
653-G2RG-2A4-DC12	G2RG-2A4-DC12	D13	66.6	180	12	6.08	5.53	5.01	4.51
653-G2RG-2A4-DC24	G2RG-2A4-DC24	D13	33.3	720	24	5.97	5.54	5.01	4.51



Omron PCB Relays