

# OMRON General Purpose Relays



## OMRON G2RS SERIES: SLIM POWER PLUG-IN RELAYS

### Specifications:

- Contact rating: SPDT - 10A @ 250VAC/30VDC  
DPDT - 5A @ 250VAC/30VDC
- Power consumption: AC coil - 0.90VA @ 60Hz  
DC coil - 530mW

### Features:

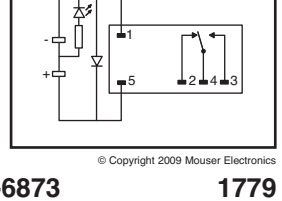
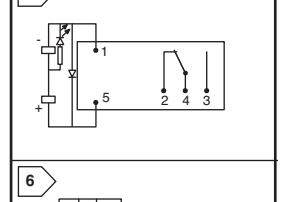
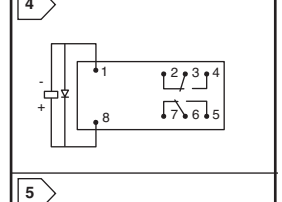
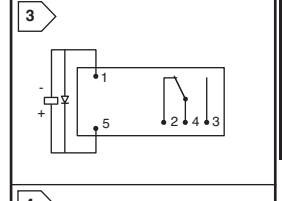
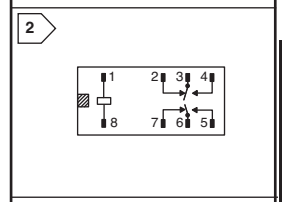
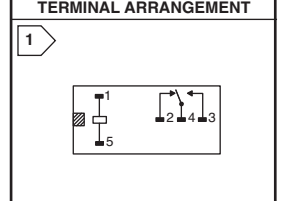
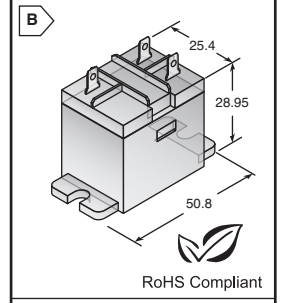
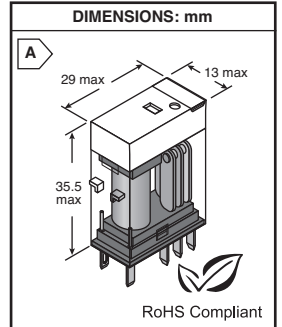
- Provided with nameplate
- AC/DC coil ratings
- Built-in mechanical operation indicator
- AC Type is equipped with a coil-disconnection self-diagnostic function/LED type
- High switching power (1-pole - 10A)



\* Rated coil current @ 60Hz for AC Models

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Rated Coil Voltage	*Rated Coil Current (mA)	Price Each			
						1	25	50	100
<b>General Purpose Type</b>									
653-G2R-1S-DC12S	G2R-1S-DC12S	A1	SPDT	12VDC	43.2	3.76	3.55	3.38	3.19
653-G2R-1S-DC24S	G2R-1S-DC24S	A1	SPDT	24VDC	21.6	3.79	3.65	3.54	3.43
653-G2R-1S-AC24S	G2R-1S-AC24S	A1	SPDT	24VAC	37.4	5.92	5.70	5.57	5.30
653-G2R-1S-AC120S	G2R-1S-AC120S	A1	SPDT	120VAC	7.5	6.64	6.31	5.82	5.64
653-G2R-2S-DC12S	G2R-2S-DC12S	A2	DPDT	12VDC	43.2	4.91	4.78	4.07	3.88
653-G2R-2S-DC24S	G2R-2S-DC24S	A2	DPDT	24VDC	21.6	4.91	4.78	4.07	3.88
653-G2R-2S-AC24S	G2R-2S-AC24S	A2	DPDT	24VAC	37.4	6.59	6.37	6.18	5.90
653-G2R-2S-AC120S	G2R-2S-AC120S	A2	DPDT	120VAC	7.5	7.21	6.99	6.34	5.65
653-G2R-2-S-AC110S	G2R-2-S AC110(S)	A2	DPDT	110VAC	10.6	7.21	6.99	6.34	5.65
653-G2R-2-S-AC240S	G2R-2-S AC240(S)	A2	DPDT	240VAC	3.8	12.08	11.78	11.17	9.97
<b>With Diode</b>									
653-G2R-1-SDDC24S	G2R-1-SD DC24(S)	A3	SPDT	24VDC	21.8	5.84	5.54	4.94	4.79
653-G2R-2-SDDC6S	G2R-2-SDDC6(S)	A4	DPDT	6VDC	88.2	6.70	6.04	5.37	4.83
<b>With LED Indicator</b>									
653-G2R-1-SN-DC12S	G2R-1-SN-DC12S	A1	SPDT	12VDC	43.2	6.83	6.48	5.98	5.80
653-G2R-1-SN-DC24S	G2R-1-SN-DC24S	A1	SPDT	24VDC	21.6	6.83	6.48	5.98	5.80
653-G2R-1-SN-AC24S	G2R-1-SN-AC24S	A1	SPDT	24VAC	37.4	6.98	6.63	5.91	5.73
653-G2R-1-SN-AC120S	G2R-1-SN-AC120S	A1	SPDT	120VAC	7.5	9.90	9.39	8.37	8.11
653-G2R-2-SN-DC24S	G2R-2-SN-DC24S	A2	DPDT	24VDC	21.6	8.54	8.21	7.22	7.00
653-G2R-2-SN-AC24S	G2R-2-SN-AC24S	A2	DPDT	24VAC	37.4	9.90	9.39	8.37	8.11
653-G2R-2-SN-AC120S	G2R-2-SN-AC120S	A2	DPDT	120VAC	7.5	10.35	9.70	9.22	8.56
653-G2R-2-SN-AC110S	G2R-2-SN AC110(S)	A2	DPDT	110VAC	10.6	10.35	9.70	9.22	8.56
653-G2R-2-SNIDC24S	G2R-2-SNIDC24(S)	A2	DPDT	24VDC	21.8	7.58	7.35	6.92	6.73
<b>LED Indicator with Test Button</b>									
653-G2R-1-SNIDC24S	G2R-1-SNI DC24(S)	A5	SPDT	24VDC	21.8	6.91	6.74	6.39	5.70
<b>With LED Indicator and Diode</b>									
653-G2R-1SND-DC24S	G2R-1SND-DC24S	A3	SPDT	24VDC	21.6	6.98	6.55	6.25	5.98
653-G2R-2SND-DC24S	G2R-2SND-DC24S	A2	DPDT	24VDC	21.6	10.15	9.95	8.88	8.61
653-G2R-2-SND-DC12S	G2R-2-SND-DC12(S)	A2	DPDT	12VDC	43.6	10.15	9.95	8.88	8.61
<b>LED Indicator and Diode with Test Button</b>									
653-G2R-2-SNDIDC24S	G2R-2-SNDI DC24(S)	A6	DPDT	24VDC	21.8	10.76	10.49	9.96	8.88



### Accessories

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Contact Form	Price Each			
			1	25	50	100
653-P2RF-05-E	P2RF-05-E	Track mount socket for G2R-1S and G2R-1-SN, screw terminals	2.79	2.70	2.62	2.53
653-P2RF-08	P2RF-08	Track mount socket for G2R-2S and G2R-2-SN, solder terminals	6.85	6.50	5.80	5.62
653-P2RF-08-E	P2RF-08-E	Track mount socket for G2R-2S and G2R-2-SN, screw terminals	5.92	5.79	5.63	5.40
653-P2RF-05S	P2RF-05S	Track mount socket for G2R-1S and G2R-1-SN, screwless clamp	5.43	4.88	4.34	3.91
653-P2RF-08S	P2RF-08S	Track mount socket for G2R-2S and G2R-2-SN, screwless clamp	9.11	8.19	7.28	6.55
653-P2R-05P	P2R-05P	Back mount socket for G2R-1S and G2R-1-SN, PCB terminals	1.60	1.55	1.49	1.43
653-P2R-08P	P2R-08P	Back mount socket for G2R-2S and G2R-2-SN, PCB terminals	1.81	1.77	1.68	1.49
653-PFP-100N	PFP-100N	DIN rail 100cm (39") length	5.92	5.56	5.28	4.71
653-PFP-M	PFP-M	Din rail end stop plate	.62	.61	.57	.51

## OMRON G4B SERIES: MINIATURE GENERAL PURPOSE RELAYS

### Specifications:

- Contact rating: 15A @ 220VAC/24VDC
- Maximum operating current: 20A
- Power consumption: 1.3VA
- Contact terminal: .250" Quick connect

### Features:

- Miniature relay ideal for switching motor load, lamp load, heater, etc.
- Upper mounting bracket for easy wiring and mounting
- Ideal for switching motor load, lamp load, heater, etc.
- Class F insulation



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Rated Coil Voltage	Coil Terminal	Price Each			
						1	25	50	100
653-G4B-112T-AC120	G4B-112T-US-AC120	B	SPST-NO	120VAC	QC #110	10.09	9.67	8.59	7.73
653-G4B-112T-C-AC120	G4B-112T-C-US-AC120	B	SPDT	120VAC	QC #110	13.38	12.70	11.33	10.98
653-G4B-112T1-AC1	G4B-112T1-US-AC120	B	SPST-NO	120VAC	QC #187	11.85	11.35	10.76	10.50
653-G4B-112T1-C-AC24	G4B-112T1-C-US-AC24	B	SPDT	24VAC	QC #187	8.93	8.02	7.55	7.32
653-G4B-112T1-C-AC120	G4B-112T1-C-US-AC120	B	SPDT	120VAC	QC #187	7.91	7.43	7.08	6.77
653-G4B-112T1-F-AC1	G4B-112T1-FD-C-USRP-AC120	B	SPDT	120VAC	QC #187	11.82	10.61	10.00	9.70
653-G4B-112T1-F-AC24	G4B-112T1-FD-C-USRP-AC24	B	SPDT	24VAC	QC #187	11.82	10.61	10.00	9.70
653-G4B-112T1-DC-AC1	G4B-112T1-FD-US-RP-AC120	B	SPST-NO	120VAC	QC #187	8.66	8.08	7.77	7.75
653-G4B112T1FDCUSR2P	G4B-112T1-FD-C-US-RPAC240	B	SPDT	240VAC	QC #187	13.12	12.01	11.40	10.17
653-G4B112T1FDUSR2P4	G4B-112T1-FD-US-RP AC24	B	SPDT-NO	24VAC	QC #187	12.13	11.13	10.56	9.41