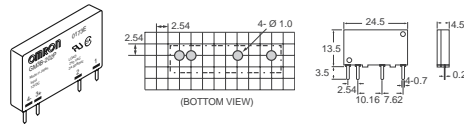


OMRON Solid State Relays (Cont.)

These come with a protective cover for safety. Phase controlled outputs are ideal for use in light dimming, motor-speed control, and other power control applications. Has been approved by UL and CSA. The G3R relays are drop-in replacements to the popular G2R Electromechanical relays.

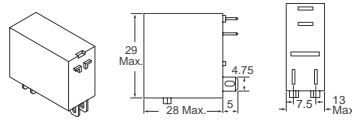
Perfect for compact Din-Rail mounting and applications requiring the long life of solid state relays. G3TC series are replacement to standard I/O modules. Replaces Opto22, Gordos and many other I/O modules. Perfect for multiple output controls.

Fig. 4 — G3MB/MC Series



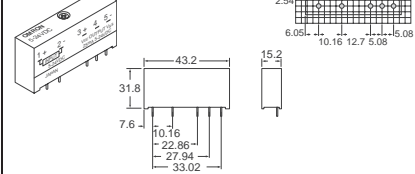
Features: • Low-cost, subminiature, PCB-mounting, solid-state relay switching 2A • DC input: AC output for 2A load at 25°C • Mono-block lead frame facilitates heat dissipation without use of heat sink • Smaller Footprint (Approximately 20% smaller than G3MB) is ideal for close PCB Mounting applications. • Built-In Snubber Circuit
Characteristic Data: • Leakage Current: 1.5mA max. • Operating Temperature: -30° to 80°C

Fig. 5 — G3R Series



Features: • Input / Output Modules that have the same footprint as the G2R • Incorporating an easy-to-see monitoring indicator
Characteristic Data: • Leakage Current: 5µA max. • Operating Temperature: -30°C to 80°C
• For socket use Z855-ND

Fig. 6 — G3TC Series



Features: • Standard sized I/O modules for replacement to OPTO22 • Continental and Gordos relays

Fig.	Contact Arrange.	Input Voltage	Input Current (mA)	Output Volt. (Peak)	Output Current	Package	Digi-Key Part No.	1	25	50	Omron Part No.	
2	DPST-NO	1.15V	5 - 25	60V	400mA	8-SOP	Z2109-ND	9.28	8.36	7.43	G3VM-62J1	
	SPST-NO	1.15V	5 - 25	80V	1250mA	6-SOP	Z2110-ND	21.02	18.92	16.82	G3VM-81HR	
	SPST-NO	1.15V	5 - 25	400V	150mA	6-Dip	Z158-ND	5.68	5.11	4.54	G3VM-6-S	
	SPST-NO	1.15V	5 - 25	400V	150mA	6-SMT	Z159-ND	5.68	5.11	4.54	G3VM-6F-S	
	SPST-NO	1.15V	5 - 25	350V	120mA	4-SOP	Z160-ND	3.58	3.22	2.86	G3VM-S2	
	SPST-NO	1.15V	5 - 25	350V	120mA	6-SOP	Z161-ND	6.00	5.40	4.80	G3VM-S3-S	
	SPST-NO	1.15V	5 - 25	200V	150mA	4-SOP	Z162-ND	3.95	3.56	3.16	G3VM-S5	
	SPST-NO	1.15V	5 - 25	400V	150mA	4-SMT	Z1046-ND	9.45	8.51	7.56	G3VM-353D	
	SPST-NO	1.15V	5 - 25	400V	150mA	6-SMT	Z1047-ND	9.45	8.51	7.56	G3VM-353E	
	DPST-NO	1.15V	5 - 25	350V	120mA	8-SOP	Z163-ND	7.95	7.16	6.36	G3VM-SW-S	
	DPST-NO	1.15V	5 - 25	60V	200mA	8-SOP	Z164-ND	7.95	7.16	6.36	G3VM-SY-S	
	Zero-Cross Output											
3	SPST-NO	4 - 6 VDC	—	75 - 264 VAC	.1 - 2A	Std. Sip	Z900-ND	9.00	8.10	7.20	G3M-202P-US-4-DC5	
	SPST-NO	9.6 - 14.4 VDC	—	75 - 264 VAC	.1 - 2A	Std. Sip	Z901-ND	9.00	8.10	7.20	G3M-202P-US-4-DC12	
	SPST-NO	19.2 - 28.8 VDC	—	75 - 264 VAC	.1 - 2A	Std. Sip	Z902-ND	9.90	8.91	7.92	G3M-202P-US-4-DC24	
Phase Controlled Output												
3	SPST-NO	4 - 6 VDC	—	75 - 132 VAC	.1 - 2A	Std. Sip	Z903-ND	7.38	6.64	5.90	G3M-102PL-US-4-DC5	
	SPST-NO	9.6 - 14.4 VDC	—	75 - 132 VAC	.1 - 2A	Std. Sip	Z904-ND	7.38	6.64	5.90	G3M-102PL-US-4-DC12	
	SPST-NO	19.2 - 28.8 VDC	—	75 - 132 VAC	.1 - 2A	Std. Sip	Z905-ND	7.38	6.64	5.90	G3M-102PL-US-4-DC24	
	SPST-NO	4 - 6 VDC	—	75 - 264 VAC	.1 - 2A	Std. Sip	Z906-ND	8.35	7.52	6.68	G3M-202PL-US-4-DC5	
	SPST-NO	9.6 - 14.4 VDC	—	75 - 264 VAC	.1 - 2A	Std. Sip	Z907-ND	8.35	7.52	6.68	G3M-202PL-US-4-DC12	
	SPST-NO	19.2 - 28.8 VDC	—	75 - 264 VAC	.1 - 2A	Std. Sip	Z908-ND	8.35	7.52	6.68	G3M-202PL-US-4-DC24	
Zero-Cross Output												
4	SPST-NO	4 - 6 VDC	—	75 - 264 VAC	.1 - 2A	Mini Sip	Z909-ND	4.33	3.90	3.46	G3MB-202P-DC5	
	SPST-NO	9.6 - 14.4 VDC	—	75 - 264 VAC	.1 - 2A	Mini Sip	Z910-ND	4.33	3.90	3.46	G3MB-202P-DC12	
	SPST-NO	19.2 - 28.8 VDC	—	75 - 264 VAC	.1 - 2A	Mini Sip	Z911-ND	4.33	3.90	3.46	G3MB-202P-DC24	
	SPST-NO	4 - 6 VDC	—	75 - 132 VAC	.1 - 1A	Micro Sip	Z1195-ND	3.68	3.31	2.94	G3MC-101P-DC5	
SPST-NO	9.6 - 14.4 VDC	—	75 - 132 VAC	.1 - 1A	Micro Sip	Z1236-ND	3.73	3.36	2.98	G3MC-101P-DC12		
SPST-NO	19.2 - 28.8 VDC	—	75 - 132 VAC	.1 - 1A	Micro Sip	Z1237-ND	3.73	3.36	2.98	G3MC-101P-DC24		
Phase Controlled Output												
4	SPST-NO	4 - 6 VDC	—	75 - 132 VAC	.1 - 1A	Micro Sip	Z1196-ND	3.40	3.06	2.72	G3MC-101PL-DC5	
	SPST-NO	9.6 - 14.4 VDC	—	75 - 132 VAC	.1 - 1A	Micro Sip	Z1197-ND	3.40	3.06	2.72	G3MC-101PL-DC12	
	SPST-NO	19.2 - 28.8 VDC	—	75 - 132 VAC	.1 - 1A	Micro Sip	Z1198-ND	3.40	3.06	2.72	G3MC-101PL-DC24	
	SPST-NO	4 - 6 VDC	—	75 - 132 VAC	.1 - 2A	Mini Sip	Z912-ND	3.53	3.18	2.82	G3MB-102PL-DC5	
	SPST-NO	9.6 - 14.4 VDC	—	75 - 132 VAC	.1 - 2A	Mini Sip	Z913-ND	3.53	3.18	2.82	G3MB-102PL-DC12	
	SPST-NO	19.2 - 28.8 VDC	—	75 - 132 VAC	.1 - 2A	Mini Sip	Z914-ND	3.53	3.18	2.82	G3MB-102PL-DC24	
	SPST-NO	4 - 6 VDC	—	75 - 264 VAC	.1 - 2A	Mini Sip	Z915-ND	3.93	3.54	3.14	G3MB-202PL-DC5	
	SPST-NO	9.6 - 14.4 VDC	—	75 - 264 VAC	.1 - 2A	Mini Sip	Z916-ND	3.93	3.54	3.14	G3MB-202PL-DC12	
	SPST-NO	19.2 - 28.8 VDC	—	75 - 264 VAC	.1 - 2A	Mini Sip	Z917-ND	3.93	3.54	3.14	G3MB-202PL-DC24	
	Zero Cross Output											
	5	SPST-NO	5 - 24 VDC	8	4 - 60 VDC	.01 - 2A	QC Style	Z1193-ND	20.28	18.25	16.22	G3R-ODX02SN-DC5-24
		SPST-NO	5 - 24 VDC	8	40 - 200 VDC	.01 - 1.5A	QC Style	Z1194-ND	23.33	21.00	18.66	G3R-OD201SN-DC5-24
SPST-NO		5 - 24 VDC	15	75 - 264 VAC	.05 - 2A	QC Style	Z1192-ND	21.45	19.31	17.16	G3R-OA202SN-DC5-24	
SPST-NO		5 - 24 VDC	15	75 - 264 VAC	.05 - 2A	QC Style	Z1235-ND	30.10	27.09	24.08	G3R-OA202SLN-DC5-24	
Random Turn-on Output												
5	SPST-NO	4 - 6 VDC	8	4 - 32 VDC	.1A	QC Style	Z1190-ND	18.18	16.36	14.54	G3R-IDZR1SN-DC5	
	SPST-NO	12 - 24 VDC	8	4 - 32 VDC	.1A	QC Style	Z1191-ND	18.18	16.36	14.54	G3R-IDZR1SN-DC12-24	
	SPST-NO	100 - 240 VAC	15	4 - 32 VDC	.1A	QC Style	Z1234-ND	22.88	20.59	18.30	G3R-IAZR1SN-AC100/240	
G3TC I/O Modules												
6	SPST-NO	180 - 280 VAC/DC	—	4.5 - 6 VDC	50mA	Sip/Yellow	Z2018-ND	14.90	13.41	11.92	G3TC-IAC-5A AC/DC240	
	SPST-NO	90 - 140 VAC/DC	—	12 - 18 VDC	50mA	Sip/Yellow	Z2019-ND	13.53	12.18	10.82	G3TC-IAC-15 AC/DC120	
	SPST-NO	90 - 140 VAC/DC	—	20 - 30 VDC	50mA	Sip/Yellow	Z2020-ND	13.53	12.18	10.82	G3TC-IAC-24 AC/DC120	
	SPST-NO	90 - 140 VAC/DC	—	4.5 - 6 VDC	50mA	Sip/Yellow	Z2021-ND	13.53	12.18	10.82	G3TC-IAC5 AC/DC120	
	SPST-NO	2.5 - 8 VDC	—	75 - 140 VAC	3A	Sip/Black	Z2027-ND	14.90	13.41	11.92	G3TC-OAC5-DC5	
	SPST-NO	9 - 16 VDC	—	75 - 140 VAC	3A	Sip/Black	Z2025-ND	14.05	12.65	11.24	G3TC-OAC15-DC15	
	SPST-NO	18 - 32 VDC	—	75 - 140 VAC	3A	Sip/Black	Z2026-ND	14.05	12.65	11.24	G3TC-OAC24-DC24	
	SPST-NO	2.5 - 8 VDC	—	5 - 60 VAC	3A	Sip/Black	Z2028-ND	14.90	13.41	11.92	G3TC-OAC5A-DC5	
	SPST-NO	10-32 VDC; 15-32 VAC	—	4.5 - 6 VDC	50mA	Sip/White	Z2024-ND	13.38	12.04	10.70	G3TC-IDC5-DC/AC24	
	SPST-NO	10-32 VDC; 15-32 VAC	—	12 - 18 VDC	50mA	Sip/White	Z2022-ND	13.38	12.04	10.70	G3TC-IDC15-DC/AC24	
	SPST-NO	10-32 VDC; 15-32 VAC	—	20 - 30 VDC	50mA	Sip/White	Z2023-ND	13.38	12.04	10.70	G3TC-IDC24-DC/AC24	
	SPST-NO	2.5 - 8 VDC	—	5 - 60 VDC	3A	Sip/Red	Z2031-ND	14.18	12.76	11.34	G3TC-ODC5-DC5	
	SPST-NO	9 - 16 VDC	—	5 - 60 VDC	3A	Sip/Red	Z2029-ND	14.18	12.76	11.34	G3TC-ODC15-DC15	
	SPST-NO	18 - 32 VDC	—	5 - 60 VDC	3A	Sip/Red	Z2030-ND	14.18	12.76	11.34	G3TC-ODC24-DC24	
	SPST-NO	2.5 - 8 VDC	—	5 - 200 VDC	1A	Sip/Red	Z2032-ND	15.38	13.84	12.30	G3TC-ODC5A-DC5	

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