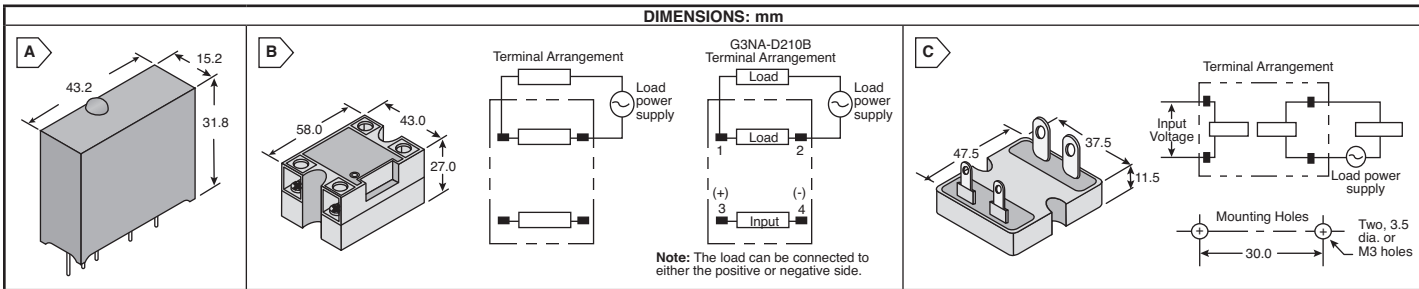


OMRON Solid State Relays



OMRON G3TC SERIES: SOLID STATE RELAY FOR I/O MODULE MOUNTING BOARDS

Specifications:

- Insulation resistance: 100MΩ min. (@ 500VDC)
- Dielectric strength: 4000VAC

Features:

- Incorporates a rectifier to accept both AC or DC inputs
- Use I/O SSRs as interface between logic circuitry and load



Input Modules

MOUSER STOCK NO.	Omron Part No.	Fig.	Function	Color	Isolation	Input Operating Voltage Range	Logic Level Output Supply (VDC)	Price Each			
								1	25	50	100
653-G3TC-IDC5-D24	G3TC-IDC5-DC/AC24	A	DC input	White	Photo-coupler	10-32VDC/AC	5	13.78	12.52	11.48	10.60

Output Modules

MOUSER STOCK NO.	Omron Part No.	Fig.	Function	Color	Isolation	Rated Input Voltage (VDC)	Rated Output Voltage	Price Each			
								1	25	50	100
653-G3TC-OAC5-DC5	G3TC-OAC5-DC5	A	AC output	Black	Photo-triac	5	3A @ 120VAC	18.02	16.24	15.01	13.85
653-G3TC-OAC24A-DC24	G3TC-OAC24A-DC24	A	AC output	Black	Photo-triac	24	3A @ 240VAC	15.96	15.14	13.50	13.09
653-G3TC-ODC5-DC5	G3TC-ODC5-DC5	A	DC output	Red	Photo-coupler	5	3A @ 60VDC	14.12	12.83	11.76	10.86

OMRON G3NA SERIES: SOLID STATE RELAYS

Specifications:

- Insulation resistance: 100MΩ min. (@ 500VDC)
- Screws: 4 - M4x8 (-205B, -210B, -220B, -D210B)
2 - M5x12 / 2 - M4x8 (-240B, -440B)

Features:

- Built-in MOV to absorb external surges
- Operation indicator (amber LED) for monitoring
- Protective cover for greater safety



* TÜV approved model ** Loss time increases under 75VAC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Zero Cross Function	**Rated Output Load	Rated Input Voltage	Price Each				
						1	25	50	100	
Photo-Triac										
653-G3A-205B-AC1	G3NA-205B-AC100-120	B	Yes	5A @ 24-240VAC	100-120VAC	27.65	25.13	23.04	21.27	
653-G3A-D210B-DC5	G3NA-D210B-DC5-24	B	No	10A @ 5-200VDC	5-24VDC	50.83	46.21	42.36	39.11	
* 653-G3NA210BUTUDC524	G3NA-210B-UTU DC5-24	B	Yes	10A @ 24-240VAC	5-24VDC	22.79	20.71	18.99	17.52	
653-G3NA220BAC100120	G3NA-220B-AC100-120	B	Yes	20A @ 24-240VAC	100-120VAC	30.00	27.27	24.99	23.08	
653-G3A-225B-DC5	G3NA-225B-DC5-24	B	Yes	25A @ 24-240VAC	5-24VDC	34.76	31.60	28.97	26.75	
653-G3A-240B-AC1	G3NA-240B-AC100-120	B	Yes	40A @ 24-240VAC	100-200VAC	69.53	63.21	57.93	53.48	
653-G3A-240B-AC2	G3NA-240B-AC200-240	B	Yes	40A @ 24-240VAC	200-240VAC	45.52	42.58	39.39	37.70	
Photo-Coupler										
653-G3A-205B-DC5	G3NA-205B-DC5-24	B	Yes	5A @ 24-240VAC	5-24VDC	22.39	20.35	18.65	17.23	
653-G3A-210B-DC5	G3NA-210B-DC5-24	B	Yes	10A @ 24-240VAC	5-24VDC	23.35	21.24	19.46	17.97	
653-G3A-210B-AC1	G3NA-210B-AC100-120	B	Yes	10A @ 24-240VAC	100-200VAC	45.00	40.92	37.50	34.63	
653-G3A-210B-AC2	G3NA-210B-AC200-240	B	Yes	10A @ 24-240VAC	200-240VAC	21.99	20.00	18.32	16.92	
653-G3NA-220B-DC524	G3NA-220B-DC5-24	B	Yes	20A @ 24-240VAC	5-24VDC	23.00	22.00	19.50	17.65	
653-G3NA-425BDC5-24	G3NA-425B DC5-24	B	Yes	25A @ 200-480VAC	5-24VDC	59.66	57.94	56.24	54.53	
653-G3A-240B-DC5	G3NA-240B-DC5-24	B	Yes	40A @ 24-240VAC	5-24VDC	47.99	42.87	40.42	39.50	
653-G3A-225B-AC1	G3NA-225B-AC100-120	B	Yes	25A @ 24-240VAC	100-200VAC	32.40	29.46	27.00	24.92	
653-G3A-225B-AC2	G3NA-225B-AC200-240	B	Yes	25A @ 24-240VAC	200-240VAC	32.40	29.45	27.00	24.92	
Heat Sinks										
653-Y92B-A100	Y92B-A100		Standard mount for G3NA-205B, G3NA-210B, G3NA-D210B, G3NA-220B			12.87	11.91	11.11	10.50	
653-Y92B-A150N	Y92B-A150N		Standard mount for G3NA-225B, G3NA-240B, G3NA-425B, G3NA-440B			24.21	22.40	20.91	19.75	
653-Y92B-N50	Y92B-N50		Track mount for G3NA-205B, G3NA-210B, G3NA-D210B			20.80	17.69	15.39	14.82	
Mounting Track and Accessories										
653-PFP-50N	PFP-50N		DIN rail track, 50cm (1.64ft.)			4.64	4.08	3.64	3.29	
653-PFP-100N	PFP-100N		DIN rail track, 1m (3.28ft.)			6.06	5.70	5.38	5.10	
653-PFP-S	PFP-S		Spacer			.43	.35	.31	.28	
653-PFP-M	PFP-M		End cap			.65	.51	.50	.49	
653-R9912FORG3NA	R99-12 FOR G3NA		One-touch mounting plates			17.20	16.38	14.75	14.66	

OMRON G3NE SERIES: COMPACT SOLID STATE RELAYS

Specifications:

- Isolation method: Photo-triac
- Terminals: QC #110 and QC #250 output connections
- Insulation resistance: 100MΩ min. (@ 500VDC)
- * Heat sinks are thin and can be DIN track mounted.

Features:

- Built-in varistor to absorb external surges
- Dedicated, compact aluminum PCB and power elements used
- Wide load voltage range: 75-264VAC



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Zero Cross Function	Rated Output Load (100-240VAC)	Rated Input Voltage (VDC)	Price Each				
						1	25	50	100	
653-G3NE-205T-US-DC5	G3NE-205T-US-DC5		Yes	5A	5	17.73	16.12	14.77	13.64	
653-G3NE-205T-USDC12	G3NE-205T-US DC12	C	Yes	5A	12	17.73	16.12	14.77	13.64	
653-G3E-210T-US5	G3NE-210T-US-DC5	C	Yes	10A	5	16.42	14.93	13.69	12.63	
653-G3E-210T-US12	G3NE-210T-US-DC12	C	Yes	10A	12	20.45	18.59	17.04	15.74	
653-G3E-210T-US24	G3NE-210T-US-DC24	C	Yes	10A	24	23.36	21.24	19.47	17.96	
653-G3E-220T-US5	G3NE-220T-US-DC5	C	Yes	20A	5	18.65	16.86	15.54	14.35	
653-G3E-220T-US12	G3NE-220T-US-DC12	C	Yes	20A	12	19.70	17.91	16.42	15.16	
653-G3E-220T-US24	G3NE-220T-US-DC24	C	Yes	20A	24	18.64	16.94	15.53	14.34	
653-G3NE-220TL-USDC5	G3NE-220TL-US DC5	C	No	20A	5	15.67	14.72	14.35	13.61	
653-G3NE-220TLUSDC24	G3NE-220TL-US-DC24	C	No	20A	24	20.58	18.71	17.15	15.84	
Heat Sinks:										
653-Y92B-N50	Y92B-N50		For 5A and 10A relays			20.80	17.69	15.39	14.82	
653-Y92B-N100	Y92B-N100		For 20A relays			31.88	27.13	23.60	22.71	



Omron Solid State Relays