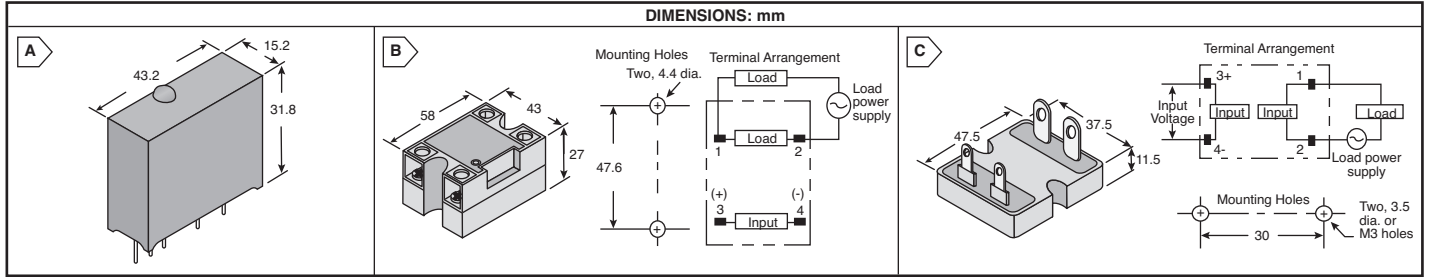


# OMRON I/O Modules and Solid State Relays



## OMRON G3TC SERIES: SOLID STATE RELAYS I/O MODULES

- Features:**
- Zero cross function on AC models
  - AC and DC versions incorporate a rectifier to accept both AC or DC inputs
  - Use I/O SSRs as an interface between logic circuitry and the load
  - Industry standard footprint and color coding
  - Built-in hold down screw fastens relay to board to eliminate loosening by vibration



### Input Modules

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Color	Input	Input Operating Voltage Range (VDC/AC)	Logic Level Output Supply Voltage (VDC)	Price Each			
							1	25	50	100
653-G3TC-IAC15-A120	G3TC-IAC15-AC/DC120	A	Yellow	AC	90-140	15	11.45	10.82	10.18	9.54
653-G3TC-IAC5A-A240	G3TC-IAC5A-AC/DC240	A	Yellow	AC	180-280	5	12.64	11.93	11.23	10.53
653-G3TC-IDC5-D24	G3TC-IDC5-DC/AC24	A	White	DC	10-32	5	10.58	9.92	9.47	9.06

### Output Modules

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Color	Output	Rated Input Voltage (VDC)	Rated Output Voltage	Price Each			
							1	25	50	100
653-G3TC-OAC5-DC5	G3TC-OAC5-DC5	A	Black	AC	5	3A @ 120VAC	11.55	10.91	10.27	9.62
653-G3TC-OAC24-DC24	G3TC-OAC24-DC24	A	Black	AC	24	3A @ 120VAC	11.55	10.91	10.27	9.62
653-G3TC-OAC5A-DC5	G3TC-OAC5A-DC5	A	Black	AC	5	3A @ 240VAC	12.27	11.59	10.90	10.22
653-G3TC-ODC5-DC5	G3TC-ODC5-DC5	A	Red	DC	5	3A @ 60VDC	11.67	11.02	10.37	10.13
653-G3TC-ODC15-DC15	G3TC-ODC15-DC15	A	Red	DC	15	3A @ 60VDC	11.22	10.51	10.04	9.61
653-G3TC-ODC24-DC24	G3TC-ODC24-DC24	A	Red	DC	24	3A @ 60VDC	11.67	11.02	10.37	9.72
653-G3TC-ODC5A-DC5	G3TC-ODC5A-DC5	A	Red	DC	5	1A @ 200VDC	12.65	11.94	11.24	10.54

## OMRON G3NA SERIES: 5-40A SOLID STATE RELAY

- Specifications:**
- Zero cross function
  - Leakage current: 5mA @ 100VAC; 10mA @ 200VAC operation
  - \*Output load is rated with use of heat sink.
- Features:**
- Built-in MOV to absorb external surges
  - Operation indicator (amber LED) for monitoring
  - Protective cover



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Input Voltage	* Rated Load	Isolation	Price Each				
						1	25	50	100	
<b>AC Operated</b>										
653-G3A-205B-AC1	G3NA-205B-AC100-120	B	100-200VAC	5A	Photocoupler	18.13	17.06	16.00	14.93	
653-G3A-210B-AC1	G3NA-210B-AC100-120	B	100-200VAC	10A	Photocoupler	18.51	17.42	16.55	15.46	
653-G3A-210B-AC2	G3NA-210B-AC200-240	B	200-240VAC	10A	Photocoupler	18.51	17.42	16.55	15.46	
653-G3NA220BAC100120	G3NA-220B-AC100-120	B	100-120VAC	20A	Phototriac	24.43	22.84	21.13	20.07	
653-G3A-225B-AC1	G3NA-225B-AC100-120	B	100-200VAC	25A	Photocoupler	23.07	21.73	20.36	19.01	
653-G3A-225B-AC2	G3NA-225B-AC200-240	B	200-240VAC	25A	Photocoupler	26.61	25.30	23.98	22.66	
653-G3A-240B-AC1	G3NA-240B-AC100-120	B	100-200VAC	40A	Phototriac	33.28	31.32	29.29	27.41	
653-G3A-240B-AC2	G3NA-240B-AC200-240	B	200-240VAC	40A	Phototriac	33.28	31.32	29.36	27.41	
<b>DC Operated</b>										
653-G3A-205B-DC5	G3NA-205B-DC5-24	B	5-24VDC	5A	Phototriac	13.63	12.84	12.04	11.24	
653-G3A-210B-DC5	G3NA-210B-DC5-24	B	5-24VDC	10A	Photocoupler	13.64	13.54	13.50	13.47	
653-G3A-225B-DC5	G3NA-225B-DC5-24	B	5-24VDC	25A	Photocoupler	20.13	19.62	18.62	16.60	
653-G3A-240B-DC5	G3NA-240B-DC5-24	B	5-24VDC	40A	Phototriac	31.53	28.08	26.34	25.33	
<b>Heat Sinks</b>										
653-Y92B-A100	Y92B-A100				Standard mount for 5, 10 and 40A relays	12.71	12.39	11.76	10.49	
653-Y92B-A150N	Y92B-A150N				Standard mount for 25 and 40A relays	16.63	16.14	15.20	14.24	
653-Y92B-N50	Y92B-N50				Track mount for 5 and 10A relays	9.98	9.40	8.81	8.22	
653-Y92B-N150	Y92B-N150				Track mount for 25 and 40A relays	22.03	20.73	19.44	18.15	
<b>Mounting Track and Accessories</b>										
653-PFP-50N	PFP-50N				DIN rail track, 50cm (1.64 ft.)	4.57	4.29	3.83	3.71	
653-PFP-100N	PFP-100N				DIN rail track, 1 m (3.28 ft.)	5.92	5.56	5.28	4.71	
653-PFP-S	PFP-S				Spacer	.42	.41	.39	.34	
653-PFP-M	PFP-M				End cap	.62	.61	.57	.51	
653-R9912FORG3NA	R99-12 FOR G3NA				One-touch mounting plates	19.30	18.17	16.22	14.60	

## OMRON G3NE SERIES: COMPACT 5-20A SOLID STATE RELAYS

- Specifications:**
- Zero cross function
  - Leakage current: 5mA @ 100VAC; 10mA @ 200VAC
  - \*Output load is rated with use of heat sink.
  - \*\*No zero cross function
- Features:**
- Built-in MOV to absorb external surges
  - Dedicated, compact aluminum PCB and power elements used
  - Quick-connect #110 input terminals and #250 output connections



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Input Voltage (VDC)	* Rated Load	Isolation	Price Each				
						1	25	50	100	
653-G3NE-205T-US-DC5	G3NE-205T-US-DC5	C	5	0.1-5A	Phototriac	12.03	11.29	10.78	10.32	
653-G3E-210T-US5	G3NE-210T-US-DC5	C	5	0.1-10A	Phototriac	12.31	11.94	11.59	11.18	
653-G3E-220T-US5	G3NE-220T-US-DC5	C	5	0.1-20A	Phototriac	14.40	13.99	13.56	12.88	
653-G3E-210T-US12	G3NE-210T-US-DC12	C	12	0.1-10A	Phototriac	13.00	12.24	11.47	10.86	
653-G3E-220T-US12	G3NE-220T-US-DC12	C	12	0.1-20A	Phototriac	15.23	14.33	13.43	12.53	
653-G3E-210T-US24	G3NE-210T-US-DC24	C	24	0.1-10A	Phototriac	12.31	11.94	11.59	11.18	
653-G3E-220T-US24	G3NE-220T-US-DC24	C	24	0.1-20A	Phototriac	14.40	13.56	12.72	12.55	
**653-G3NE-220TLUSD24	G3NE-220TL-US-DC24	C	24	0.1-20A	Phototriac	16.56	14.78	14.32	13.62	
<b>Heat Sinks</b>										
653-Y92B-N50	Y92B-N50				Track mount for 10A relays	9.98	9.40	8.81	8.22	
653-Y92B-N150	Y92B-N150				Track mount for 20A relays	22.03	20.73	19.44	18.15	

