

OMRON General Purpose Relays

OMRON MJN SERIES: SQUARE-BASE GENERAL PURPOSE RELAYS

Specifications:

- Contact resistance: 50mΩ max.
- Plug-in terminals
- Power consumption: AC DPDT - 1.7VA, 3PDT-2.0VA; DC-1.2W

Features:

- Rugged power driver offers superior 3/16" through-air and 3/8" over-surface spacing
- Interlocked frame and contact block prevent contact misalignment during plug-in
- Available with dust covers, indicator lamps and push-to-operate buttons

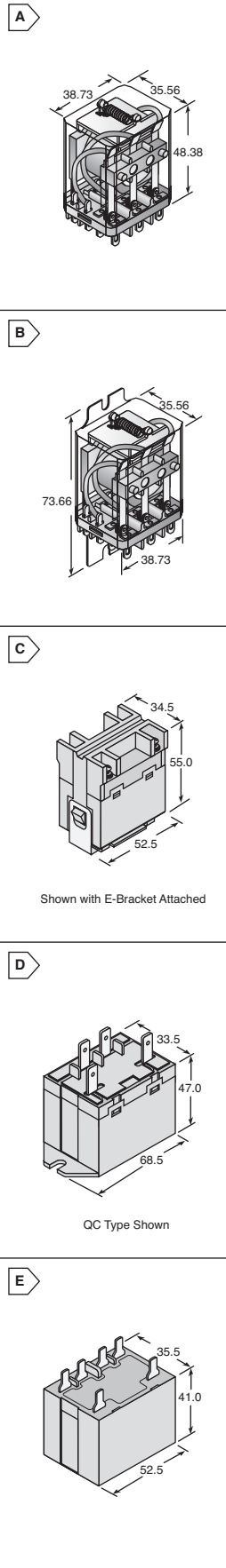


*Socket not required for 20A models; they are flange mounted and do not require terminals

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Coil Voltage	Contact Rating	Price Each			
						1	25	50	100
Standard Mount									
653-MJN2C-DC12	MJN2C-DC12	A	DPDT	12VDC	10A	16.26	14.28	14.11	13.94
653-MJN2C-DC24	MJN2C-DC24	A	DPDT	24VDC	10A	17.48	16.26	15.21	14.64
653-MJN3C-DC12	MJN3C-DC12	A	3PDT	12VDC	10A	13.22	12.61	11.20	11.05
653-MJN3C-DC24	MJN3C-DC24	A	3PDT	24VDC	10A	17.89	15.22	13.24	12.43
653-MJN3C-AC12	MJN3C-AC12	A	3PDT	12VAC	10A	17.00	16.50	16.02	15.54
653-MJN3C-AC120	MJN3C-AC120	A	3PDT	120VAC	10A	12.32	11.82	11.45	11.16
Flange Mount									
653-MJN1CF-DC12	MJN1CF-DC12	B	SPDT	12VDC	10A	14.30	13.88	13.46	12.79
653-MJN2CF-DC12	MJN2CF-DC12	B	DPDT	12VDC	10A	13.68	11.63	10.12	9.75
* 653-MJN2CF-AC1	MJN2CF-AC120	B	DPDT	120VAC	10A	10.39	10.02	9.84	9.40
* 653-MJN2CE-DC12	MJN2CE-DC12	B	DPDT	12VDC	20A	29.51	25.11	21.85	21.02
653-MJN2CE-DC24	MJN2CE-DC24	B	DPDT	24VDC	20A	22.46	19.11	16.63	16.00
653-MJN2CE-AC1	MJN2CE-AC120	B	DPDT	120VAC	20A	29.51	25.11	21.85	21.02
Sockets for MJN Series									
Description									
653-PTFFCB	PTFFCB	11-pin PCB terminal, screw mount				1.38	1.29	1.24	1.19
653-PTF11QDC	PTF11QDC	11-pin QC terminal, screw mount				1.36	1.28	1.18	1.08
653-PTF21PC	PTF21PC	11-pin screw terminal, screw mount				7.10	6.71	6.37	6.15
653-PTF11PC	PTF11PC	11-pin screw terminal, DIN mount				7.31	6.91	6.55	6.17
653-PFP-M	PFP-M	DIN rail end stop plate				.65	.51	.50	.49
653-PFP-100N	PFP-100N	DIN rail 100cm (39")				6.06	5.70	5.38	5.10

DIMENSIONS: mm



OMRON G7L SERIES: HIGH-CAPACITY GENERAL PURPOSE RELAYS

Specifications:

- Contact rating: Single-pole type 30A @ 220VAC
Double-pole type 25A @ 220VAC
- Power consumption: AC coil 1.70-2.50VAC/DC coil 1.90W
- Contact material: Ag Alloy
- Impulse withstand voltage: 10,000V between coil and contacts
- Conforms to IEC 950
- Class B insulation
- E-Bracket type requires E-Bracket or socket to mount.

Features:

- Ideally suited for high-inrush fluid pump controls: pool/spa, water processing, emergency, chemical industry, etc.
- High-capacity, high-withstand voltage relay with no contact chattering for momentary voltage drops up to 50% of rated voltage.
- Wide-range AC-activated coil that handles 100-120VAC at either 50 or 60Hz
- Miniature hinge for maximum switching capacity, particularly for inductive loads



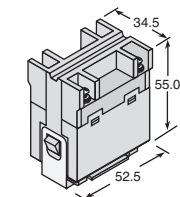
RoHS Compliant



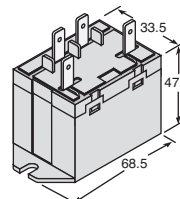
* E-Bracket R99-07G5D sold separately

For quantities greater than listed, call for quote.

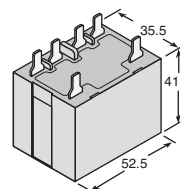
MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Coil Voltage	Terminal Type	Price Each			
						1	25	50	100
*E-Bracket Type									
653-G7L-2A-B-CB-DC12	G7L-2A-B-CB-DC12	C	DPST-NO	12VDC	Screw terminals	14.05	12.77	11.71	10.81
653-G7L-1ATCB-AC1	G7L-1A-TCB-AC100/120	C	SPST-NO	100/120VAC	.250" Quick connect	11.93	10.85	9.95	9.18
653-G7L-1A-T-CB-DC48	G7L-1A-T-CB-DC48	C	SPST-NO	48VDC	.250" Quick connect	14.63	13.30	12.19	11.26
*E-Bracket Type with Test Button									
653-G7L-1A-BJ-DC24	G7L-1A-BJ-CB-DC24	C	SPST-NO	24VDC	Screw terminals	24.00	21.82	20.01	18.46
653-G7L-1A-TJ-DC24	G7L-1A-TJ-CB-DC24	C	SPST-NO	24VDC	.250" Quick connect	11.19	10.17	9.33	8.61
653-G7L-2A-BJ-DC24	G7L-2A-BJ-CB-DC24	C	DPST-NO	24VDC	Screw terminals	14.05	12.77	11.71	10.81
653-G7L2ATJCBAC24	G7L-2A-T-J-CB-AC24	C	DPST-NO	24VAC	.250" Quick connect	19.19	17.45	16.00	14.78
653-G7L-2A-TJ-AC2	G7L-2A-TJ-CB-AC200/240	C	DPST-NO	200/240VAC	.250" Quick connect	11.13	10.12	9.28	8.57
653-G7L-2A-TJ-DC24	G7L-2A-TJ-CB-DC24	C	DPST-NO	24VDC	.250" Quick connect	9.92	9.02	8.27	7.71
Upper Bracket									
653-G7L-1A-BUBCBAC24	G7L-1A-BUB-CB AC24	D	SPST-NO	24VAC	Screw terminals	14.11	12.83	11.76	10.86
653-G7L-1A-AC100/120	G7L-1A-TUB-CB-AC100/120	D	SPST-NO	100/120VAC	.250" Quick connect	10.24	9.31	8.54	7.88
653-G7L-2A-BUBCBAC24	G7L-2A-BUB-CB-AC24	D	DPST-NO	24VAC	Screw terminals	14.92	13.56	12.44	11.47
653-G7L-2A-TUBCBAC24	G7L-2A-TUB-CB-AC24	D	DPST-NO	24VAC	.250" Quick connect	9.45	8.93	8.47	7.80
653-G7L-2AT-AC1	G7L-2A-TUB-CB-AC100/120	D	DPST-NO	100/120VAC	.250" Quick connect	11.20	11.11	9.92	8.75
653-G7L2ATUBCBAC200	G7L-2A-TUB-CB-AC200/240	D	DPST-NO	200/240VAC	.250" Quick connect	13.91	12.52	11.12	10.01
653-G7L-2AT-DC24	G7L-2A-TUB-CB-DC24	D	DPST-NO	24VDC	.250" Quick connect	9.92	9.02	8.27	7.71
Upper Bracket with Test Button									
653-G7L-1ABUBJCBAC24	G7L-1A-BUBJ-CB AC24	D	SPST-NO	24VAC	Screw terminals	11.98	11.33	10.74	10.05
653-G7L1ABUBJCBAC	G7L-1A-BUBJ-CB AC100/120	D	SPST-NO	100/120VAC	Screw terminals	12.46	12.13	11.42	10.48
653-G7L1ABUBJCB200	G7L-1A-BUBJ-CB-AC200/240	D	SPST-NO	200/240VAC	Screw terminals	21.71	20.18	18.62	18.06
653-G7L-1A-BUB-JDC12	G7L-1A-BUBJ-CB-DC12	D	SPST-NO	12VDC	Screw terminals	12.23	11.37	10.80	9.92
653-G7L-1A-AC24	G7L-1A-TUBJ-CB-AC24	D	SPST-NO	24VAC	.250" Quick connect	9.38	8.72	8.29	7.61
653-G7L-1A-AC1	G7L-1A-TUBJ-CB-AC100/120	D	SPST-NO	100/120VAC	.250" Quick connect	9.37	8.71	8.28	7.60
653-G7L-1A-AC2	G7L-1A-TUBJ-CB-AC200/240	D	SPST-NO	200/240VAC	.250" Quick connect	9.91	9.22	8.76	8.41
653-G7L-1ATUBJCBDC12	G7L-1A-TUBJ-CB-DC12	D	SPST-NO	12VDC	.250" Quick connect	10.82	10.23	9.10	7.73
653-G7L-1A-DC24	G7L-1A-TUBJ-CB-DC24	D	SPST-NO	24VDC	.250" Quick connect	9.74	8.14	7.73	7.42
653-G7L-2AB-AC24	G7L-2A-BUBJ-CB-AC24	D	DPST-NO	24VAC	Screw terminals	13.27	12.32	11.71	11.25
653-G7L-2AB-AC1	G7L-2A-BUBJ-CB-AC100/120	D	DPST-NO	100/120VAC	Screw terminals	13.55	12.83	11.63	10.99
653-G7L-2AB-AC2	G7L-2A-BUBJ-CB-AC200/240	D	DPST-NO	200/240VAC	Screw terminals	14.09	13.11	12.09	11.43
653-G7L-2AB-DC12	G7L-2A-BUBJ-CB-DC12	D	DPST-NO	12VDC	Screw terminals	12.86	11.97	11.04	10.44
653-G7L-2AB-DC24	G7L-2A-BUBJ-CB-DC24	D	DPST-NO	24VDC	Screw terminals	11.82	11.05	10.59	9.81
653-G7L-2A-AC24	G7L-2A-TUBJ-CB-AC24	D	DPST-NO	24VAC	.250" Quick connect	9.72	9.04	8.34	8.08
653-G7L-2A-AC1	G7L-2A-TUBJ-CB-AC100/120	D	DPST-NO	100/120VAC	.250" Quick connect	8.93	8.37	7.99	7.74
653-G7L-2A-AC2	G7L-2A-TUBJ-CB-AC200/240	D	DPST-NO	200/240VAC	.250" Quick connect	12.62	11.93	10.60	9.01
653-G7L-2AJ-DC12	G7L-2A-TUBJ-CB-DC12	D	DPST-NO	12VDC	.250" Quick connect	10.94	10.17	9.65	9.28
653-G7L-2A-DC24	G7L-2A-TUBJ-CB-DC24	D	DPST-NO	24VDC	.250" Quick connect	9.09	8.45	8.02	7.71
653-G7L2ATUBJCBDC48	G7L-2A-TUBJ-CB-DC48	D	DPST-NO	48VDC	.250" Quick connect	9.92	9.02	8.27	7.63
PCB Mount									
653-G7L-2A-PCB-DC12	G7L-2A-P-CB-DC12	E	DPST-NO	12VDC	PCB terminals	13.62	12.38	11.35	10.48
653-G7L2APCBDC24	G7L-2A-P-CB-DC24	E	DPST-NO	24VDC	PCB terminals	12.72	12.03	11.40	10.67
Accessories									
Description									
653-R99-07G5D	R99-07G5D	E-Bracket for G7L-1A(2A)-TJ, -BJ				1.01	.95	.91	.874
653-P7LF-C	P7LF-C	Cover for QC terminal type				.77	.72	.69	.67
653-P7LF-06	P7LF-06	Front connecting socket for QC terminal (includes P7LF-C)				14.97	14.04	13.40	12.82



Shown with E-Bracket Attached



QC Type Shown



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