

# 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:

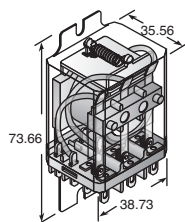
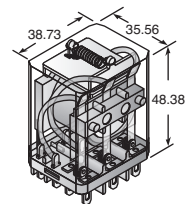
- Rugged power driver offers superior 3/16" through-air and 3/8" over-surface spacing
- Interlocked frame and contact block prevent contact misalignment during plug-in
- Available with dust covers, indicator lamps and push-to-operate buttons



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

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Coil Voltage	Contact Rating	Price Each			
						1	25	50	100
<b>Standard Mount (Plug-In)</b>									
653-MJN2C-DC12	MJN2C-DC12	A	DPDT	12VDC	10A	12.77	12.38	11.76	10.99
653-MJN2C-DC24	MJN2C-DC24	A	DPDT	24VDC	10A	12.77	12.38	11.76	10.99
653-MJN2C-AC1	MJN2C-AC120	A	DPDT	120VAC	10A	13.37	12.96	12.31	11.50
653-MJN3C-DC12	MJN3C-DC12	A	3PDT	12 VDC	10A	13.21	12.81	12.17	11.37
653-MJN3C-DC24	MJN3C-DC24	A	3PDT	24 VDC	10A	13.21	12.81	12.17	11.37
653-MJN3C-AC1	MJN3C-AC120	A	3PDT	120 VAC	10A	14.86	14.41	13.69	12.79
<b>Flange Mount</b>									
653-MJN2CF-DC12	MJN2CF-DC12	B	DPDT	12VDC	10A	12.41	12.03	11.43	10.68
* 653-MJN2CF-DC24	MJN2CF-DC24	B	DPDT	24VDC	10A	12.28	11.90	11.31	10.56
* 653-MJN2CF-AC1	MJN2CF-AC120	B	DPDT	120VAC	10A	13.17	12.77	12.13	11.33
* 653-MJN2CE-DC12	MJN2CE-DC12	B	DPDT	12VDC	20A	14.95	14.50	13.77	12.86
653-MJN2CE-DC24	MJN2CE-DC24	B	DPDT	24VDC	20A	14.95	14.50	13.77	12.86
653-MJN2CE-AC1	MJN2CE-AC120	B	DPDT	120VAC	20A	17.25	16.73	15.89	14.85
653-MJN3CF-DC12	MJN3CF-DC12	B	3PDT	12VDC	10A	13.53	13.12	12.46	11.64
653-MJN3CF-DC24	MJN3CF-DC24	B	3PDT	24VDC	10A	14.22	13.79	13.10	12.23
653-MJN3CF-AC1	MJN3CF-AC120	B	3PDT	120VAC	10A	15.31	14.84	14.10	13.17
653-MJN2CF-AC24	MJN2CF-AC24	B	DPDT	24VAC	10A	13.17	12.77	12.13	11.33
<b>Sockets for MJN Series</b>									
653-PTFFPCB	PTFFPCB			11-pin PCB terminal, screw mount		1.24	1.17	1.05	1.01
653-PTF11QDC	PTF11QDC			11-pin QC terminal, screw mount		1.37	1.33	1.27	1.13
653-PTF21PC	PTF21PC			11-pin screw terminal, screw mount		6.10	5.79	5.16	5.01
653-PTF11PC	PTF11PC			11-pin screw terminal, DIN mount		6.92	6.34	6.02	5.37
653-PFP-M	PFP-M			DIN rail end stop plate		.62	.61	.57	.51
653-PFP-100N	PFP-100N			DIN rail 100cm (39")		5.92	5.56	5.28	4.71



## OMRON G7L SERIES: HIGH CAPACITY GENERAL PURPOSE RELAY

### Specifications:

- Contact rating: Single-pole type - 30A @ 220VAC  
Double-pole type - 25A @ 220VAC
- Power consumption: AC coil - 1.70 to 2.50VA 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 to 120VAC at either 50 or 60Hz
- Miniature hinge for maximum switching capacity, particularly for inductive loads



\* E-Bracket R99-07G5D sold separately

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Rated Coil Voltage	Terminal Type	Price Each			
						1	25	50	100
<b>E-Bracket: Type with Test Button</b>									
653-G7L-1A-BJ-AC1	G7L-1A-BJ-CB-AC100/120	C	SPST-NO	100/120VAC	Screw Terminals	13.44	13.10	12.43	11.09
653-G7L-1A-TJ-DC12	G7L-1A-TJ-CB-DC12	C	SPST-NO	12VDC	.250" Quick Connect	9.74	9.25	8.25	7.99
653-G7L-2A-TJ-DC12	G7L-2A-TJ-CB-DC12	C	DPST-NO	12VDC	.250" Quick Connect	9.80	9.20	8.78	8.41
653-G7L-1A-TJ-DC24	G7L-1A-TJ-CB-DC24	C	SPST-NO	24VDC	.250" Quick Connect	9.74	9.25	8.25	7.99
653-G7L-2A-BJ-DC24	G7L-2A-BJ-CB-DC24	C	DPST-NO	24VDC	Screw terminals	13.04	12.37	11.04	10.70
653-G7L-2A-TJ-DC24	G7L-2A-TJ-CB-DC24	C	DPST-NO	24VDC	.250" Quick Connect	9.80	9.20	8.78	8.41
653-G7L-1A-TJ-AC24	G7L-1A-TJ-CB-AC24	C	SPST-NO	24VAC	.250" Quick Connect	10.69	10.46	9.92	8.84
653-G7L-2A-BJ-AC1	G7L-2A-BJ-CB-AC100/120	C	DPST-NO	100/120VAC	Screw terminals	13.74	13.04	11.63	11.27
653-G7L-2A-TJ-AC1	G7L-2A-TJ-CB-AC100/120	C	DPST-NO	100/120VAC	.250" Quick Connect	9.85	9.35	8.34	8.08
653-G7L-2A-TJ-AC2	G7L-2A-TJ-CB-AC200/240	C	DPST-NO	200/240VAC	.250" Quick Connect	10.77	9.90	9.41	8.94
653-G7L2APCBAC200240	G7L-2A-P-CB-AC200/240	C	DPST-NO	200/240VAC	PCB terminals	13.72	13.02	11.61	11.26
653-G7L-1ATCB-AC1	G7L-1A-T-CB-AC100/120	C	SPST-NO	100/120VAC	0.25" Quick Connect	10.69	10.46	9.92	8.84
653-G7L-2A-PCB-DC12	G7L-2A-P-CB-DC12	C	DPST-NO	12VDC	PCB terminals	13.81	12.96	12.64	11.81
653-G7L2APCBDC24	G7L-2A-P-CB-DC24	C	DPST-NO	24VDC	PCB terminals	14.01	12.71	12.06	11.09
<b>Upper Bracket Type with Test Button</b>									
653-G7L-2AB-DC12	G7L-2A-BUBJ-CB-DC12	D	DPST-NO	12VDC	Screw terminals	13.04	12.37	11.04	10.70
653-G7L-1A-BUB-JDC12	G7L-1A-BUBJ-CB-DC12	D	SPST-NO	12VDC	Screw terminals	12.71	12.39	11.76	10.49
653-G7L-2AJ-DC12	G7L-2A-TUBJ-CB-DC12	D	DPST-NO	12VDC	.250" Quick Connect	9.80	9.20	8.78	8.41
653-G7L-1A-DC24	G7L-1A-TUBJ-CB-DC24	D	SPST-NO	24VDC	.250" Quick Connect	9.74	9.25	8.25	7.99
653-G7L-2AB-DC24	G7L-2A-BUBJ-CB-DC24	D	DPST-NO	24VDC	Screw terminals	12.39	11.05	10.71	10.18
653-G7L-1A-BUB-JDC24	G7L-1A-BUBJ-CB-DC24	D	SPST-NO	24VDC	Screw terminals	12.71	12.39	11.76	10.49
653-G7L-2A-DC24	G7L-2A-TUBJ-CB-DC24	D	DPST-NO	24VDC	.250" Quick Connect	9.80	9.20	8.78	8.41
653-G7L-1A-AC24	G7L-1A-TUBJ-CB-AC24	D	SPST-NO	24VAC	.250" Quick Connect	10.69	10.46	9.92	8.84
653-G7L-2AB-AC24	G7L-2A-BUBJ-CB-AC24	D	DPST-NO	24VAC	Screw terminals	12.39	12.02	11.42	11.05
653-G7L-2A-AC24	G7L-2A-TUBJ-CB-AC24	D	DPST-NO	24VAC	.250" Quick Connect	9.85	9.35	8.34	8.08
653-G7L-1A-AC1	G7L-1A-TUBJ-CB-AC100/120	D	SPST-NO	100/120VAC	.250" Quick Connect	10.69	10.46	9.92	8.84
653-G7L-2AB-AC1	G7L-2A-BUBJ-CB-AC100/120	D	DPST-NO	100/120VAC	Screw terminals	13.74	13.04	11.63	11.27
653-G7L-2A-AC1	G7L-2A-TUBJ-CB-AC100/120	D	DPST-NO	100/120VAC	.250" Quick Connect	8.93	8.37	7.99	7.65
653-G7L-1A-AC2	G7L-1A-TUBJ-CB-AC200/240	D	SPST-NO	200/240VAC	.250" Quick Connect	10.81	10.56	9.80	9.24
653-G7L-2AB-AC2	G7L-2A-BUBJ-CB-AC200/240	D	DPST-NO	200/240VAC	Screw terminals	14.28	13.55	12.09	11.72
653-G7L-2A-AC2	G7L-2A-TUBJ-CB-AC200/240	D	DPST-NO	200/240VAC	.250" Quick Connect	10.77	9.90	9.41	8.94
653-G7L1ABUBJCB200	G7L-1A-BUBJ-CB-AC200/240	D	SPST-NO	200/240VAC	Screw terminals	13.69	12.99	11.58	11.23
653-G7L-2ABUBJCBAC24	G7L-2A-BUBJ-CB-AC24	D	DPST-NO	24VAC	Screw terminals	11.85	10.57	10.25	9.74
653-G7L2ATUBJCBAC200	G7L-2A-TUBJ-CB-AC200/240	D	DPST-NO	200/240VAC	0.25" Quick Connect	10.77	9.90	9.41	8.94
653-G7L-1A-AC100/120	G7L-1A-TUBJ-CB-AC100/120	D	SPST-NO	100/120VAC	0.25" Quick Connect	10.69	10.46	9.92	8.84
653-G7L1ABUBJCBAC	G7L-1A-BUBJ-CB AC100/120	D	SPST-NO	100/120VAC	Screw terminals	13.44	13.10	12.43	11.09
653-G7L-1ATUBJCBDC12	G7L-1A-TUBJ-CB-DC12	D	SPST-NO	12VDC	0.25" Quick Connect	8.86	8.41	7.50	7.27
653-G7L-2AT-AC1	G7L-2A-TUBJ-CB-AC100/120	D	DPST-NO	100/120VAC	0.25" Quick Connect	9.85	9.35	8.34	8.08
653-G7L-2AT-DC24	G7L-2A-TUBJ-CB-DC24	D	DPST-NO	24VDC	0.25" Quick Connect	10.05	9.44	9.21	8.74
653-G7L-2A-TUBJCBAC24	G7L-2A-TUBJ-CB-AC24	D	DPST-NO	24VAC	0.25" Quick Connect	9.62	9.38	8.90	7.94
<b>Accessories for G7L Series</b>									
653-R99-07G5D	R99-07G5D			E-Bracket for G7L-1A(2A)-TJ, -BJ		.76	.74	.71	.63
653-P7LF-C	P7LF-C			Cover for QC terminal type		.77	.72	.69	.67
653-P7LF-D	P7LF-D			Track mounting adapter		7.04	6.32	5.96	5.78
653-P7LF-06	P7LF-06			Front connecting socket for QC terminal. Includes P7LF-C		14.97	14.04	13.12	12.72

**DIMENSIONS: mm**

**A**

**B**

**C**

Shown with E Bracket Attached

**D**

QC Type Shown

RoHS Compliant

RoHS Compliant

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