

OMRON General Purpose Relays

OMRON
ELECTRONIC COMPONENTS

OMRON LY SERIES: GENERAL PURPOSE RELAYS

Specifications:

- Operate/Release time: 25/25ms
- Mechanical Life: AC 50 million operations min. (at 18,000/hr.)
DC 1 billion operations min. (at 18,000/hr.)
- Dielectric strength: 2000VAC, 50/60Hz for 1 minute
- Insulation resistance: 100MQ min. (@ 500VDC)

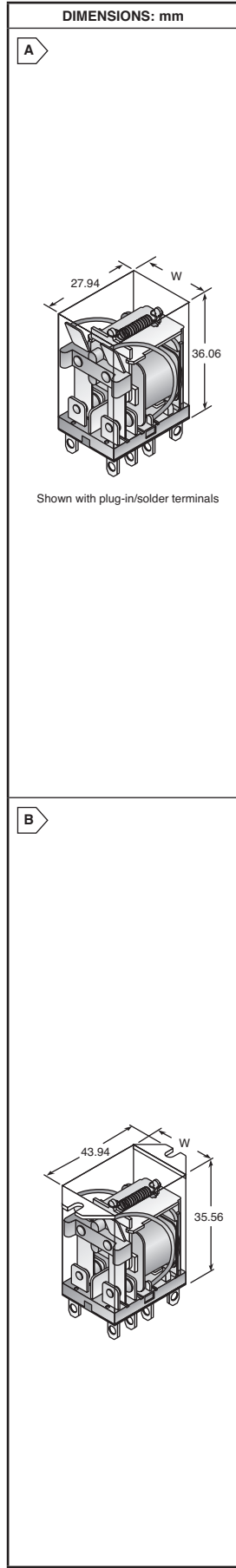
Features:

- Arc barrier equipped
- Long dependable service life assured by Ag-Alloy contacts



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Terminal Type	Mounting Type	Coil Voltage	Contact Form	Contact Rating	Dimensions "W"	Price Each					
									1	25	50	100		
Standard Type														
653-LY1-0-DC12	LY1-0-DC12	A	PCB	Standard	12VDC	SPDT	15A	21.59	5.73	5.25	4.85	4.50		
653-LY1-0-DC24	LY1-0-DC24	A	PCB	Standard	24VDC	SPDT	15A	21.59	5.73	5.25	4.85	4.50		
653-LY1-0-AC1	LY1-0-AC110/120	A	PCB	Standard	110/120VAC	SPDT	15A	21.59	6.44	5.90	5.45	5.06		
653-LY2-0-DC12	LY2-0-DC12	A	PCB	Standard	12VDC	DPDT	10A	21.59	6.60	6.24	5.92	5.72		
653-LY2-0-DC24	LY2-0-DC24	A	PCB	Standard	24VDC	DPDT	10A	21.59	6.60	6.24	5.92	5.72		
653-LY2-0-DC48	LY2-0-DC48	A	PCB	Standard	48VDC	DPDT	10A	21.59	9.76	8.78	8.32	7.81		
653-LY2-0-DC100/110	LY2-0-DC 100 110	A	PCB	Standard	100/110VDC	DPDT	10A	21.59	9.60	9.08	8.61	8.32		
653-LY2-0-AC24	LY2-0-AC24	A	PCB	Standard	24VAC	DPDT	10A	21.59	7.67	7.25	6.88	6.64		
653-LY2-0-AC1	LY2-0-AC110/120	A	PCB	Standard	110/120VAC	DPDT	10A	21.59	6.60	6.24	5.92	5.55		
653-LY4-0-DC24	LY4-0-DC24	A	PCB	Standard	24VDC	4PDT	10A	41.40	10.53	9.95	9.44	9.12		
653-LY4-0-AC120	LY4-0-AC120	A	PCB	Standard	120VAC	4PDT	10A	21.59	9.97	9.66	9.18	8.57		
653-LY1-DC12	LY1-DC12	A	Plug-in/Solder	Standard	12VDC	SPDT	15A	21.59	6.30	5.96	5.64	5.45		
653-LY1-DC24	LY1-DC24	A	Plug-in/Solder	Standard	24VDC	SPDT	15A	21.59	5.61	5.31	5.03	4.86		
653-LY1-AC24	LY1-AC24	A	Plug-in/Solder	Standard	24VAC	SPDT	15A	21.59	5.88	5.56	5.27	5.10		
653-LY1-AC1	LY1-AC110/120	A	Plug-in/Solder	Standard	110/120VAC	SPDT	15A	21.59	5.73	5.25	4.85	4.50		
653-LY2-DC12	LY2-DC12	A	Plug-in/Solder	Standard	12VDC	DPDT	10A	21.59	6.44	6.25	6.03	5.77		
653-LY2-DC24	LY2-DC24	A	Plug-in/Solder	Standard	24VDC	DPDT	10A	21.59	6.44	6.25	6.03	5.77		
653-LY2-DC48	LY2-DC48	A	Plug-in/Solder	Standard	48VDC	DPDT	10A	21.59	6.60	6.24	5.92	5.55		
653-LY2-DC100/110	LY2-DC100/110	A	Plug-in/Solder	Standard	100/110VDC	DPDT	10A	21.59	6.50	6.25	5.93	5.56		
653-LY2-AC12	LY2-AC12	A	Plug-in/Solder	Standard	12VAC	DPDT	10A	21.59	6.60	6.24	5.92	5.72		
653-LY2-AC24	LY2-AC24	A	Plug-in/Solder	Standard	24VAC	DPDT	10A	21.59	6.77	6.34	6.06	5.81		
653-LY2-AC100/110	LY2-AC100/110	A	Plug-in/Solder	Standard	100/110VAC	DPDT	10A	21.59	6.60	6.24	5.92	5.72		
653-LY2-AC1	LY2-AC110/120	A	Plug-in/Solder	Standard	110/120VAC	DPDT	10A	21.59	6.60	6.24	5.92	5.72		
653-LY2-AC220/240	LY2-AC220/240	A	Plug-in/Solder	Standard	220/240VAC	DPDT	10A	21.59	6.47	6.14	5.83	5.56		
653-LY3-DC12	LY3-DC12	A	Plug-in/Solder	Standard	12VDC	3PDT	10A	31.49	10.45	9.87	9.37	9.05		
653-LY3-DC24	LY3-DC24	A	Plug-in/Solder	Standard	24VDC	3PDT	10A	31.49	9.04	8.54	8.10	7.83		
653-LY3-AC24	LY3-AC24	A	Plug-in/Solder	Standard	24VAC	3PDT	10A	31.49	9.04	8.54	8.10	7.83		
653-LY3-AC120	LY3-AC120	A	Plug-in/Solder	Standard	120VAC	3PDT	10A	31.49	9.04	8.54	8.10	7.83		
653-LY3-AC240	LY3-AC240	A	Plug-in/Solder	Standard	240VAC	3PDT	10A	31.49	10.28	9.49	8.81	8.36		
653-LY4-DC12	LY4-DC12	A	Plug-in/Solder	Standard	12VDC	4PDT	10A	41.40	10.52	9.95	9.44	9.12		
653-LY4-DC24	LY4-DC24	A	Plug-in/Solder	Standard	24VDC	4PDT	10A	41.40	12.18	11.32	10.89	10.52		
653-LY4-DC48	LY4-DC48	A	Plug-in/Solder	Standard	48VDC	4PDT	10A	41.40	11.85	11.17	9.96	9.65		
653-LY4-AC24	LY4-AC24	A	Plug-in/Solder	Standard	24VAC	4PDT	10A	41.40	10.53	9.95	9.44	9.12		
653-LY4-AC1	LY4-AC120	A	Plug-in/Solder	Standard	120VAC	4PDT	10A	41.40	10.53	9.95	9.44	9.12		
653-LY4-AC240	LY4-AC240	A	Plug-in/Solder	Standard	240VAC	4PDT	10A	41.40	12.54	11.86	11.25	10.55		
653-LY1F-DC12	LY1F-DC12	B	Plug-in/Solder	Upper	12VDC	SPDT	15A	22.60	5.22	4.90	4.68	4.49		
653-LY1F-DC24	LY1F-DC24	B	Plug-in/Solder	Upper	24VDC	SPDT	15A	22.60	5.98	5.65	5.36	5.18		
653-LY1F-AC12	LY1F-AC12	B	Plug-in/Solder	Upper	12VAC	SPDT	15A	22.60	8.60	7.87	7.26	6.74		
653-LY1F-AC24	LY1F-AC24	B	Plug-in/Solder	Upper	24VAC	SPDT	15A	22.60	5.98	5.65	5.36	5.18		
653-LY1F-AC1	LY1F-AC110/120	B	Plug-in/Solder	Upper	110/120VAC	SPDT	15A	22.60	5.98	5.65	5.36	5.18		
653-LY1F-AC220/240	LY1F-AC220/240	B	Plug-in/Solder	Upper	220/240VAC	SPDT	15A	22.60	6.24	5.90	5.59	5.41		
653-LY2F-DC12	LY2F-DC12	B	Plug-in/Solder	Upper	12VDC	DPDT	10A	22.60	6.74	6.37	6.04	5.67		
653-LY2F-DC24	LY2F-DC24	B	Plug-in/Solder	Upper	24VDC	DPDT	10A	22.60	5.95	5.59	5.34	5.11		
653-LY2F-AC12	LY2F-AC12	B	Plug-in/Solder	Upper	12VAC	DPDT	10A	22.60	6.74	6.37	6.04	5.84		
653-LY2F-AC24	LY2F-AC24	B	Plug-in/Solder	Upper	24VAC	DPDT	10A	22.60	6.74	6.37	6.04	5.84		
653-LY2F-AC1	LY2F-AC110/120	B	Plug-in/Solder	Upper	110/120VAC	DPDT	10A	22.60	6.76	6.34	6.05	5.79		
653-LY2F-AC220/240	LY2F-AC220-240	B	Plug-in/Solder	Upper	220/240VAC	DPDT	10A	22.60	7.19	6.80	6.44	6.23		
653-LY3F-DC12	LY3F-DC12	B	Plug-in/Solder	Upper	12VDC	3PDT	10A	32.00	9.04	8.54	8.10	7.83		
653-LY3F-DC24	LY3F-DC24	B	Plug-in/Solder	Upper	24VDC	3PDT	10A	32.00	9.04	8.54	8.10	7.83		
653-LY3F-AC12	LY3F-AC12	B	Plug-in/Solder	Upper	12VAC	3PDT	10A	32.00	9.04	8.54	8.10	7.83		
653-LY3F-AC24	LY3F-AC24	B	Plug-in/Solder	Upper	24VAC	3PDT	10A	32.00	9.04	8.54	8.10	7.83		
653-LY3F-AC1	LY3F-AC120	B	Plug-in/Solder	Upper	120VAC	3PDT	10A	32.00	9.04	8.54	8.10	7.83		
653-LY4F-DC12	LY4F-DC12	B	Plug-in/Solder	Upper	12VDC	4PDT	10A	41.40	10.53	9.95	9.44	9.12		
653-LY4F-DC24	LY4F-DC24	B	Plug-in/Solder	Upper	24VDC	4PDT	10A	41.40	10.53	9.95	9.44	9.12		
653-LY4F-AC1	LY4F-AC120	B	Plug-in/Solder	Upper	120VAC	4PDT	10A	41.40	10.53	9.95	9.44	9.12		
LED Indicator Type														
653-LY1N-DC24	LY1N-DC24	A	Plug-in/Solder	Standard	24VDC	SPDT	15A	21.59	12.28	11.27	10.40	9.66		
653-LY1N-AC110/120	LY1N-AC110/120	A	Plug-in/Solder	Standard	110/120VAC	SPDT	15A	21.59	9.81	9.06	8.54	7.99		
653-LY2NDC12	LY2N DC12	A	Plug-in/Solder	Standard	12VDC	DPDT	10A	21.59	9.62	8.75	8.12	7.88		
653-LY2N-DC24	LY2N-DC24	A	Plug-in/Solder	Standard	24VDC	DPDT	10A	21.59	8.52	7.82	7.44	7.10		
653-LY2N-AC24	LY2N-AC24	A	Plug-in/Solder	Standard	24VAC	DPDT	10A	21.59	9.62	8.75	8.12	7.88		
653-LY2N-AC110-120	LY2N-AC110-120	A	Plug-in/Solder	Standard	110/120VAC	DPDT	10A	21.59	8.86	8.38	7.94	7.68		
653-LY2N-AC200/220	LY2N-AC200/220	A	Plug-in/Solder	Standard	200/220VAC	DPDT	10A	21.59	9.62	8.75	8.12	7.88		
653-LY2N-AC220-240	LY2N-AC220-240	A	Plug-in/Solder	Standard	220/240VAC	DPDT	10A	21.59	10.45	9.88	9.37	9.06		
653-LY4N-DC24	LY4N-DC24	A	Plug-in/Solder	Standard	24VDC	4PDT	10A	41.40	14.47	13.68	12.97	12.54		
653-LY4N-AC110-120	LY4N-AC110-120	A	Plug-in/Solder	Standard	110/120VAC	4PDT	10A	41.40	10.99	10.27	9.47	8.91		
653-LY4N-AC120	LY4N-AC120	A	Plug-in/Solder	Standard	120VAC	4PDT	10A	41.40	23.32	22.04	20.89	20.21		
LED Indicator and Diode Surge Suppression Type														
653-LY1N-D2DC24	LY1N-D2 DC24	A	Plug-in/Solder	Standard	24VDC	SPDT	15A	21.59	10.69	9.80	9.05	8.40		
653-LY2N-D2-DC24	LY2N-D2-DC24	A	Plug-in/Solder	Standard	24VDC	DPDT	10A	21.59	14.46	13.72	12.24	11.87		
653-LY4N-D2-DC24	LY4N-D2-DC24	A	Plug-in/Solder	Standard	24VDC	4PDT	10A	41.40	18.26	17.33	15.45	14.98		
LED Indicator and Push-To-Test Button Type														
653-LY2I4NAC24	LY2I4N AC24	A	Plug-in/Solder	Standard	24VAC	DPDT	10A	21.59	9.62	8.75	8.12	7.88		



Accessories

MOUSER STOCK NO.	Omron Part No.	Description	Price Each			
			1	25	50	100
653-PT08	PT08	Back connecting socket for SPDT and DPDT, solder	1.74	1.55	1.47	1.42
653-PT08-0	PT08-0	PC terminal socket for SPDT and DPDT, PCB	1.44	1.40	1.35	1.29
653-PT14-0	PT14-0	PC terminal socket for 4PDT, PCB	2.48	2.33	2.21	2.13
653-PTF08A-E	PTF08A-E	Track mounted socket for SPDT and DPDT	4.19	4.02	3.93	3.71
653-PTF11A	PTF11A	Track mounted socket for 3PDT	6.01	5.68	5.39	5.26
653-PTF14A-E	PTF14A-E	Track mounted socket for 4PDT	5.95	5.85	5.58	5.33
653-PYC-P	PYC-P	Hold-down clip for back connecting socket	.26	.238	.227	.216
653-PFP-M	PFP-M	DIN rail end stop plate	.65	.51	.50	.49
653-PFP-S	PFP-S	Spacer	.43	.35	.31	.28
653-PFP-50N	PFP-50N	DIN rail 50cm (19.5")	4.64	4.08	3.64	3.29
653-PFP-100N	PFP-100N	DIN rail 100cm (39")	6.06	5.70	5.38	5.10