

# OMRON General Purpose Relays



## OMRON MY SERIES: GENERAL PURPOSE, MINIATURE POWER RELAYS

### Specifications:

- Operating frequency: Mechanical: 18,000 operations/hr. Electrical: 1,800 operations/hr. (under rated load)
- Insulation resistance: 1,000 MΩ min. (at 500VDC)

- Power Consumption: AC < 50V: 1.0 to 1.2VA (60Hz) AC > 50V: 0.9 to 1.1VA (60Hz) DC: 0.9W

- Operate/Release time: 20 ms max./20 ms max.
- Terminals: Plug-in socket/solder

### Features:

- Versatile, multi-featured, miniature power relay for sequence control and power switching applications
- Maximum Switching Current: 2-Pole: 10A, 4-Pole: 5A
- Provided with nameplate

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Type	Contact Form	Coil Resistance (Ω)	Coil Voltage	Rated Current (mA)		Price Each			
						50Hz	60Hz	1	25	50	100
<b>Without LED Indicator, Standard Coil Polarity</b>											
653-MY2-AC24	MY2-AC24(S)	Standard	DPDT	180	24VAC	53.8	46.0	4.83	4.53	4.33	4.14
653-MY2-AC1	MY2-AC110/120(S)	Standard	DPDT	4,430	110/120VAC	9.9/10.8	8.4/9.2	4.26	3.99	3.82	3.66
653-MY2AC220240S	MY2 AC220/240 (S)	Standard	DPDT	18,790	220/240VAC	4.8/5.3	4.2/4.6	5.66	5.31	5.08	4.85
653-MY2-DC12	MY2-DC12(S)	Standard	DPDT	160	12VDC	75.0	75.0	4.83	4.53	4.31	4.14
653-MY2-DC24	MY2-DC24(S)	Standard	DPDT	636	24VDC	37.7	37.7	4.10	3.84	3.68	3.51
* 653-MY2-02DC24	MY2-02 DC24	Standard	DPDT	650	24VDC	36.9	36.9	6.53	5.80	5.22	4.93
653-MY4AC48/50(S)	MY4 AC48/50 (S)	Standard	4PDT	788	48/50VAC	24.7/25.7	21.1/22.0	6.52	6.19	5.52	5.35
653-MY4DC48(S)	MY4 DC48 (S)	Standard	4PDT	2,560	48VDC	18.8	18.8	5.12	4.77	4.57	4.40
653-MY4DC100110S	MY4 DC100/110 (S)	Standard	4PDT	11,100	110/120VDC	9.0/9.9	9.0/9.9	6.37	5.96	5.69	5.45
* 653-MY4-02-AC110-120	MY4-02-AC110-120	Standard	4PDT	4,430	110/120VAC	9.9/10.8	8.4/9.2	7.00	6.52	6.25	6.02
* 653-MY4-02-DC12	MY4-02-DC12	Standard	4PDT	160	12VDC	75.0	75.0	6.67	6.33	5.97	5.65
* 653-MY4-02DC24	MY4-02 DC24	Standard	4PDT	636	24VDC	37.7	37.7	6.44	6.25	6.03	5.77
653-MY4AC12(S)	MY4 AC12 (S)	Standard	4PDT	46	12VAC	106.5	91.0	4.92	4.61	4.40	4.21
653-MY4-AC24	MY4-AC24(S)	Standard	4PDT	180	24VAC	53.8	46.0	5.53	5.18	4.94	4.73
653-MY4-AC1	MY4-AC110/120(S)	Standard	4PDT	4,430	110/120VAC	9.9/10.8	8.4/9.2	5.26	4.93	4.71	4.51
653-MY4-AC220-240S	MY4-AC220-240S	Standard	4PDT	18,790	220/240VAC	4.8/5.3	4.2/4.6	5.60	5.22	5.00	4.81
653-MY4DC6S	MY4-DC6(S)	Standard	4PDT	39.8	6VDC	151.0	151.0	7.17	6.76	6.40	6.01
653-MY4-DC12	MY4-DC12(S)	Standard	4PDT	160	12VDC	75.0	75.0	4.92	4.61	4.40	4.21
653-MY4-DC24	MY4-DC24(S)	Standard	4PDT	636	24VDC	37.7	37.7	4.91	4.61	4.40	4.21
* 653-MY4E-02-AC24	MY4E-02-AC24	Standard	4PDT	180	24VAC	53.8	46.0	8.70	7.05	6.30	6.00
653-MY4H-USDC24	MY4H-US DC24	Hermetically sealed	4PDT	636	24VDC	37.7	37.7	43.14	40.19	38.48	37.00
653-MY4ZAC24S	MY4Z AC24 (S)	Standard	4PDT (bifurcated)	180	24VAC	53.8	46.0	10.59	10.02	9.63	9.08
653-MY4Z-AC110/120	MY4Z-AC110/120	Standard	4PDT (bifurcated)	4,430	110/120VAC	9.9/10.8	8.4/9.2	8.26	7.70	7.38	7.28
<b>With LED Indicator, Standard Coil Polarity</b>											
653-MY2N-AC1S	MY2N-AC110/120(S)	Standard	DPDT	4,430	110/120VAC	9.9/10.8	8.4/9.2	5.57	5.23	4.99	4.78
653-MY2N-AC220/240S	MY2N-AC220/240(S)	Standard	DPDT	18,790	220/240VAC	4.8/5.3	4.2/4.6	6.10	5.73	5.43	5.00
653-MY2N-CRAC110120S	MY2N-CR AC110/120 (S)	Standard w/built-in capacitor resistor	DPDT	4,430	110/120VAC	9.9/10.8	8.4/9.2	11.85	11.05	10.57	10.17
653-MY2N-DC12S	MY2N-DC12(S)	Standard	DPDT	160	12VDC	75.0	75.0	5.64	5.31	5.01	4.79
653-MY2N-DC24S	MY2N-DC24(S)	Standard	DPDT	636	24VDC	37.7	37.7	5.39	5.05	4.83	4.62
653-MY2N-D2-DC24S	MY2N-D2-DC24S	Standard w/built-in diode	DPDT	636	24VDC	37.7	37.7	9.26	8.72	8.34	7.86
653-MY4N-AC24S	MY4N-AC24(S)	Standard	4PDT	180	24VAC	53.8	46.0	6.41	6.00	5.72	5.47
653-MY4NAC220240S	MY4N AC220/240 (S)	Standard	4PDT	18,790	220/240VAC	4.8/5.3	4.2/4.6	7.50	6.99	6.69	6.44
653-MY4N-CRAC110120S	MY4N-CR AC110/120 (S)	Standard w/built-in capacitor resistor	4PDT	4,430	110/120VAC	9.9/10.8	8.4/9.2	12.70	11.90	11.40	10.99
653-MY4N-DC12(S)	MY4N-DC12(S)	Standard	4PDT	160	12VDC	75.0	75.0	5.46	5.16	4.91	4.71
653-MY4N-DC24S	MY4N-DC24(S)	Standard	4PDT	636	24VDC	37.7	37.7	5.45	5.11	4.87	4.67
653-MY4N-DC100/110S	MY4N-DC100/110S	Standard	4PDT	11,100	110/120VDC	9.0/9.9	9.0/9.9	6.29	5.86	5.61	5.50
653-MY4N-D2-DC24S	MY4N-D2-DC24S	Standard w/built-in diode	4PDT	636	24VDC	37.7	37.7	10.25	9.60	9.15	8.80
653-MY4ZN-AC1S	MY4ZN-AC110/120(S)	Standard	4PDT	4,430	110/120VAC	9.9/10.8	8.4/9.2	12.22	10.02	9.60	9.24
653-MY4ZND12S	MY4ZN DC12 (S)	Standard	4PDT	160	12VDC	75.0	75.0	14.72	13.25	11.77	10.60
653-MY4ZN-DC24S	MY4ZN-DC24(S)	Standard	4PDT	636	24VDC	37.7	37.7	13.15	12.48	11.14	10.79
<b>With LED Indicator and Lockable Test Button, Reverse Coil Polarity</b>											
653-MY2INAC24S	MY2IN AC24 (S)	Standard	DPDT	180	24VAC	53.8	46.0	6.72	6.33	5.97	5.76
653-MY2INAC110120S	MY2IN AC110/120 (S)	Standard	DPDT	4,430	110/120VAC	9.9/10.8	8.4/9.2	5.91	5.56	5.31	5.08
653-MY2INDC12(S)	MY2IN DC12 (S)	Standard	DPDT	160	12VDC	75.0	75.0	6.02	5.65	5.40	5.16
653-MY2INDC24S	MY2IN DC24 (S)	Standard	DPDT	636	24VDC	37.7	37.7	4.87	4.57	4.37	4.18
653-MY4IN-AC24	MY4IN-AC24(S)	Standard	4PDT	180	24VAC	53.8	46.0	7.30	7.00	6.50	5.98
653-MY4INAC110120S	MY4IN AC110/120 (S)	Standard	4PDT	4,430	110/120VAC	9.9/10.8	8.4/9.2	5.85	5.49	5.24	5.02
653-MY4INAC220240S	MY4IN AC220/240 (S)	Standard	4PDT	18,790	220/240VAC	4.8/5.3	4.2/4.6	7.53	6.97	6.78	6.52
653-MY4INDC12S	MY4IN DC12 (S)	Standard	4PDT	160	12VDC	75.0	75.0	6.00	5.55	5.30	5.15
653-MY4IN-DC24(S)	MY4IN-DC24(S)	Standard	4PDT	636	24VDC	37.7	37.7	6.70	6.30	6.00	5.75

\*PBC Terminals

## OMRON MYK SERIES: GENERAL PURPOSE LATCHING RELAYS

### Specifications:

- Operating frequency: Mechanical: 18,000 operations/hr. Electrical: 1,800 operations/hr. (under rated load)
- Insulation resistance: 100 MΩ min. (at 500VDC)
- Contact form: DPDT

- Power consumption: AC: 0.6 to 0.9 (60Hz) Set / 0.2 to 0.5 (60Hz) DC: 1.3W Set / 0.6W Reset
- Set/Reset time: 30ms max. (AC); 15ms max. (DC)
- Terminals: Plug-in socket/solder

### Features:

- Magnetic latching relay ideal for memory and data transmission circuits
- Double-winding latch system that holds residual magnetism
- Easy monitoring of ON/OFF operation thanks to the built-in operation indicator mechanism

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Coil Resistance (Ω)		Coil Voltage	Rated Coil Current (mA)		Price Each			
		Set Coil	Reset Coil		Set Coil	Reset Coil	1	25	50	100
653-MY2KAC120	MY2K AC120	8,300	3,000	120VAC	15.8	3.5	57.97	54.68	52.70	49.97
653-MY2K-US-DC12	MY2K-US-DC12	110	235	12VDC	110.0	50.0	22.38	20.13	17.90	16.11
653-MY2K-USDC24	MY2K-US DC24	470	940	24VDC	52.0	25.0	19.92	18.67	17.39	15.65

## Accessories for MY and MYK Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Description	Price Each			
			1	25	50	100
653-PFP-100N	PFP-100N	DIN rail 100cm (39")	6.06	5.70	5.38	5.10
653-PFP-50N	PFP-50N	DIN rail 50cm (19.7")	4.64	4.38	4.22	4.08
653-PFP-M	PFP-M	DIN rail end stop plate	.65	.51	.50	.49
653-PFP-S	PFP-S	DIN rail spacer	.43	.41	.37	.35
653-PY08	PY08	Back connect socket for DPDT, solder terminals	1.22	1.15	1.08	1.03
653-PY08-02	PY08-02	Back connect socket for DPDT, PCB terminals	1.16	1.09	1.04	.993
653-PY14	PY14	Back connect socket for 4PDT, solder terminals w/out hold-down clip	1.69	1.61	1.45	1.37
653-PY14-02	PY14-02	Back connect socket for 4PDT, PCB terminals w/out hold-down clip	1.61	1.52	1.45	1.39
653-PYC-A1	PYC-A1	Hold-down clip for track mounted socket DPDT	.24	.23	.218	.21
653-PYC-P	PYC-P	Hold-down clip for back connect socket	.26	.238	.227	.216
653-PYC-P2	PYC-P2	Push-to-test hold-down clip for back connect socket	1.43	1.35	1.31	1.25
653-PYF08A-E	PYF08A-E	Track mounted socket for DPDT	4.91	4.62	4.36	4.13
653-PYF14A-E	PYF14A-E	Front connect socket w/screw terminals w/out hold-down clip and track mounted for 4PDT	6.44	6.25	6.03	5.77
653-PYP-1	PYP-1	Mounting plate for 1 socket	.23	.221	.203	.194
653-Y92H-3	Y92-H3	Hold-down clip for track mounted socket and RC circuit	1.70	1.53	1.38	1.27