New Latching Levers for Circuit Checking Added to Our Best-selling MY General-purpose Relays

- Now lead-free to protect the environment.
- VDE certification (Germany).
- Different colors of coil tape for AC and DC models to more easily distinguish them.
- MY(S) models with latching levers added for easier circuit checking.

⚠ Refer to the *Common Relay Precautions*.

Model Number Structure

Classification	Structure / Number of poles	Relays with Plug-in Terminals: With operation indicator	Relays with Plug-in Terminals: Without operation indicator	Relays with Plug-in Terminals: With latching lever	PCB terminals	Case-surface mounting
Standard models (compliant with Electrical Appliances and Material Safety Act)	2	MY2N*	MY2*	MY2IN(S)*	MY2-02	MY2F
	2 Bifurcated	MY2ZN	MY2Z			
	3	MY3N	MY3		MY3-02	MY3F
	4	MY4N*	MY4*	MY4IN(S)*	MY4-02	MY4F
	4 Bifurcated	MY4ZN*	MY4Z*	MY4ZIN(S)*	MY4Z-02	MY4ZF
Models with diode for coil surge absorption (DC coil specification only)	2	MY2N-D2*	MY2-D*	MY2IN-D2(S)*	---	---
	2 Bifurcated	MY2ZN-D2	MY2Z-D			
	3	MY3N-D2	MY3-D			
	4	MY4N-D2*	MY4-D*	MY4IN-D2(S)*		
	4 Bifurcated	MY4ZN-D2*	MY4Z-D*	MY4ZIN-D2(S)*		
Models with CR circuit for coil surge absorption (AC coil specification only)	2	MY2N-CR*	MY2-CR*		---	
	4	MY4N-CR*	MY4-CR*	MY4IN-CR(S)*		
	4 Bifurcated	MY4ZN-CR*	MY4Z-CR*	MY4ZIN-CR(S)*		
Models with high contact reliability	4 Bifurcated	---	MY4Z-CBG			
Plastic sealed models	4	MYQ4N	MYQ4		MYQ4-02	
	4 Bifurcated		MYQ4Z		MYQ4Z-02	
Latching models (coil latching)	2		MY2K		MY2K-02	
Hermetic models	4		MY4H		MY4H-0	
	4 Bifurcated		MY4ZH		MY4ZH-0	

Note:
1. The models in this table are UL/CSA certified. This is indicated with a certification mark on the products. (This does not include models with high contact reliability or plastic sealed, latching, or hermetically sealed models.)
2. Models with an asterisk (*) next to them are new versions.
3. The standard models with plug-in terminals, models with coil surge absorption diodes, and models with coil surge absorption CR circuits were used in combination with the PYF-E and PYFS (2-pole and 4-pole) for the EC Declaration of Conformity. These products display the CE Marking.
4. Products cannot be manufactured for the cells with a diagonal line. Ask your OMRON representative for details on manufacturing products for cells containing "---" in the above table.

Refer to *Connection Socket and Mounting Bracket Selection Table on page 33* in *Options* for information on the possible combinations of Models with Plug-in Terminals and Sockets.

Miniature Power Relays: MY2

Refer to the standards certifications and compliance section of your OMRON website for the latest information on certified models.

Ordering Information

When your order, specify the rated voltage.

Classification	Model	Rated voltage (V)	
		Standard products	Made-to-order items
Standard models	MY2	**12, 24, 100/110, or 200/220 VAC**	110/120 or 220/240 VAC
		12, 24, 48, or 100/110 VDC	
Models with built-in operation indicators	MY2N	**12, 24, 100/110, 110/120, 200/220, or 220/240 VAC**	
		12, 24, 48, or 100/110 VDC	
Models with built-in diodes	MY2-D	**12, 24, or 100/110 VDC**	48 VDC
Models with built-in diodes and operation indicators	MY2N-D2	**12, 24, 48, or 100/110 VDC**	
Models with built-in CR circuits	MY2-CR	**100/110 or 200/220 VAC**	110/120 or 220/240 VAC
Models with built-in CR circuits and operation indicators	MY2N-CR	**100/110 or 200/220 VAC**	110/120 or 220/240 VAC

Note: 1. Ask your OMRON representative for details on the time required to deliver made-to-order products.
2. Ask your OMRON representative for details on product specifications and the ability to manufacture products with voltages other than the above coil specifications.
3. The above models and specifications are new versions in the MY Series.
4. Except for MY2(N)-CR Relays with the above voltage specifications, all Relays have a height of 53 mm or less. If Mounting Brackets are required, refer to page 33 for selection information.

Ratings and Specifications

Ratings

Operating Coils (Standard Models)

Item / Rated voltage (V)		Rated current (mA)		Coil resistance (Ω)	Coil inductance (H)		Must-operate voltage (V)	Must-release voltage (V)	Maximum voltage (V)	Power consumption (VA, W)
		50 Hz	60 Hz		Armature OFF	Armature ON				
AC	12	106.5	91	46	0.17	0.33	80% max. *1	30% min. *2	110% of rated voltage	Approx. 1.0 to 1.2 (at 60 Hz)
	24	53.8	46	180	0.69	1.3				
	100/110	11.7/12.9	10/11	3,750	14.54	24.6				Approx. 0.9 to 1.1 (at 60 Hz)
	110/120	9.9/10.8	8.4/9.2	4,430	19.2	32.1				
	200/220	6.2/6.8	5.3/5.8	12,950	54.75	94.07				
	220/240	4.8/5.3	4.2/4.6	18,790	83.5	136.4				
DC	12	72.7		165	0.73	1.37		10% min. *2		Approx. 0.9
	24	36.3		662	3.2	5.72				
	48	17.6		2,725	10.6	21.0				
	100/110	8.7/9.6		11,440	45.6	86.2				

Note: 1. The rated current and coil resistance are measured at a coil temperature of 23°C with tolerances of +15%/–20% for the AC rated current and ±15% for the DC coil resistance.
2. The AC coil resistance and inductance values are reference values only (at 60 Hz).
3. Operating characteristics were measured at a coil temperature of 23°C.
4. The maximum voltage capacity was measured at an ambient temperature of 23°C.

***1.** There is variation between products, but actual values are 80% max. To ensure operation, apply at least 80% of the rated value (at a coil temperature of +23° C).
***2.** There is variation between products, but actual values are 30% minimum for AC and 10% minimum for DC. To ensure release, use a value that is lower than the specified value.

Contact Ratings

Item \ Load	Resistive load	Inductive load (cos φ = 0.4, L/R = 7 ms)
Rated load	5 A at 220 VAC 5 A at 24 VDC	2 A at 220 VAC 2 A at 24 VDC
Rated carry current	5 A	
Maximum contact voltage	250 VAC, 125 VDC	
Maximum contact current	5 A	
Contact configuration	DPDT	
Contact structure	Single	
Contact materials	Ag	

Item \ Type	Standard models	Model with built-in operation indicator, diode, or CR circuit
Ambient operating temperature*1	–55 to 70°C	–55 to 60°C*2
Ambient operating humidity	5% to 85%	

***1.** With no icing or condensation.
***2.** This limitation is due to the diode junction temperature and elements used.