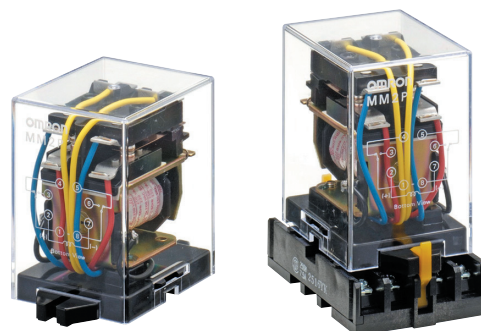


Stable Contact Reliability and Long Life

- Easy to mount, wire, and use.
- A large selection of models including various contact forms, DC-switching models, and open models.
- Mechanical life: 5,000,000 operations; electrical life (under rated load): 500,000 operations.
- Models also available with built-in diodes and for use as auxiliary power relays.



Refer to *Safety Precautions for All Relays*.

Ordering Information

Type	Contact form	Open structure		Cased
		Solder terminals	Screw terminals	Plug-in (octal pins) terminals
Standard	DPDT	MM2	MM2B	MM2P
	3PDT	MM3	MM3B	MM3P
	4PDT	MM4	MM4B	MM4P
DC-switching	DPDT	MM2X	MM2XB	MM2XP
	3PDT	MM3X	MM3XB	MM3XP
	4PDT	MM4X	MM4XB	MM4XP
With built-in diode	DPDT	---	---	MM2P-D
	4PDT	---	---	MM4P-D
DC-switching with built-in diode	DPDT	---	---	MM2XP-D
	4PDT	---	---	MM4XP-D
With operation indicator	DPDT	---	---	MM2PN
	3PDT	---	---	MM3PN
	4PDT	---	---	MM4PN
DC-switching with operation indicator	DPDT	---	---	MM2XPN
	3PDT	---	---	MM3XPN
	4PDT	---	---	MM4XPN
Conforming to auxiliary power relay specifications	4PDT	---	---	MM4P-JD
		---	---	MM4XP-JD

Available Models

When your order, specify the rated voltage.

Open Coils (with Solder Terminals)

Type	Contact form	Relay model	Available rated voltage
Standard	DP	MM2	6, 12, 24, 50, 100/(110), 200/(220) VAC 6, 12, 24, 48, 100/110, 200/220 VDC
	3P	MM3	100/(110), 200/(220) VAC 6, 12, 24, 48, 200/220 VDC
	4P	MM4	24, 100/(110), 200/(220) VAC 6, 12, 24, 48, 100/110, 200/220 VDC
DC-switching	DP	MM2X	100/(110), 200/(220) VAC 6, 12, 24, 48, 100/110, 200/220 VDC
	3P	MM3X	100/(110), 200/(220) VAC 12, 24, 100/110 VDC
	4P	MM4X	100/(110), 200/(220) VAC 12, 24, 48, 100/110 VDC

Open Coils (with Screw Terminals)

Type	Contact form	Relay model	Available rated voltage
Standard	DP	MM2B	6, 12, 24, 50, 100/(110), 200/(220) VAC 12, 24, 48, 100/110, 125, 200/220 VDC
	3P	MM3B	6, 100/(110), 200/(220) VAC 12, 24, 100/110 VDC
	4P	MM4B	6, 100/(110), 200/(220) VAC 12, 24, 48, 100/110 VDC
DC-switching	DP	MM2XB	24, 100/(110), 200/(220) VAC 12, 24, 48, 100/110, 125, 200/220 VDC
	3P	MM3XB	100/(110), 200/(220) VAC 12, 24, 48, 100/110, 125, 200/220 VDC
	4P	MM4XB	12, 24, 100/(110), 200/(220) VAC 6, 12, 24, 48, 100/110, 200/220 VDC

Cased Coils (Plug-in Terminals)

Type	Contact form	Relay model	Available rated voltage
Standard	DP	MM2P	6, 12, 24, 50, 100/(110), 200/(220) VAC 6, 12, 24, 48, 100/110, 125, 200/220 VDC
	3P	MM3P	6, 24, 100/(110), 200/(220) VAC 6, 12, 24, 48, 100/110, 125, 200/220 VDC
	4P	MM4P	6, 24, 50, 100/(110), 200/(220) VAC 12, 24, 48, 100/110, 125, 200/220 VDC
DC-switching	DP	MM2XP	6, 24, 100/(110), 125, 200/(220) VAC 6, 12, 24, 48, 100/110, 125, 200/220 VDC
	3P	MM3XP	24, 50, 100/(110), 200/(220) VAC 12, 24, 48, 100/110, 125, 200/220 VDC
	4P	MM4XP	12, 24, 50, 100/(110), 200/(220) VAC 6, 12, 24, 48, 100/110, 125, 200/220 VDC
With built-in diode	DP	MM2P-D MM4P-D	12, 24, 48, 100/110, 200/220 VDC 12, 24, 48, 100/110, 125, 200/220 VDC
DC-switching with built-in diode	DP	MM2XP-D MM4XP-D	12, 24, 48, 100/110, 125, 200/220 VDC 12, 24, 48, 100/110, 125, 200/220 VDC
With operation indicator	DP	MM2PN	6, 24, 100/(110), 200/(220) VAC 6, 12, 24, 48, 100/110, 125, 200/220 VDC
	3P	MM3PN	100/(110), 200/(220) VAC 6, 12, 24, 48, 100/110, 200/220 VDC
	4P	MM4PN	24, 100/(110), 200/(220) VAC 24, 48, 100/110, 125, 200/220 VDC
DC-switching with operation indicator	DP	MM2XPN	100/(110), 200/(220) VAC 12, 24, 48, 100/110, 125, 200/220 VDC
	3P	MM3XPN	100/(110), 200/(220) VAC 24, 48, 100/110, 200/220 VDC
	4P	MM4XPN	100/(110), 200/(220) VAC 12, 24, 48, 100/110, 125, 200/220 VDC
Conforming to auxiliary power relay specifications	4P	MM4P-JD	100/(110), 110, 115, 200/(220), 220 VAC 24, 100/110, 125, 200/220 VDC
Conforming to auxiliary power relay specifications for DC-switching	4P	MM4XP-JD	100/(110), 110, 115, 200/(220) VAC 24, 48, 100/110, 125, 200/220 VDC

Models Conforming to Auxiliary Power Relay Specifications

The MM4P-JD and MM4XP-JD satisfy the ratings of auxiliary relays provided in JEC-2500 (1987) standards for power protective relays specified by the Japan Electromechanical Commission. Furthermore, the MM4P-JD and MM4XP-JD satisfy the ratings of multi-contact relays provided in JEC-174D (1979) standards for power auxiliary relays.

These models work at operation level B specified by JEC-174D (1979) standards and the hot start of the relays is possible after the coils radiate heat.

In accordance with JEC-2500 (1987) standards, the coil of each model withstands a 130% DC load or 115% AC load.

Note: 1. When ordering, add the rated coil voltage to the model number. Rated coil voltages are given in the coil ratings table.

Example: MM2, 6 VAC

Rated coil voltage

2. Latching Relays based on the MM Series are also available. Refer to the MMK.

3. Models with built-in varistors (AC operation) are also available in addition to those with built-in diodes. Ask your OMRON representative for details.

Model Number Legend

MM -

1 2 3 4 5

1. Contact Form

2: DPDT
3: 3PDT
4: 4PDT

2. Type (See Note.)

None: Standard
X: DC-switching

3. Terminal Shape

None: Solder
B: Screw
P: Plug-in

4. Operation Indicator

None: Not provided
N: Provided

5. Built-in Diode

None: Not provided
D: Provided

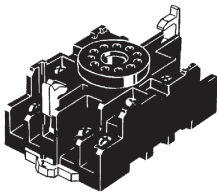
Note: The suffix "JD" indicates models conforming to auxiliary power relay specifications.

■ Accessories (Order Separately)

Mounting Brackets

Mounting Bracket (S bracket)	R99-03MM
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Sockets

Relay model	DIN Track/Front-connecting Socket (screw terminals)	Back-connecting Socket (solder terminals)
MM2(X)P(N)(-D)	8PFA	PL08
MM3P(N)	11PFA 	PL11 
MM3XP(N), MM4(X)P(N)(-D)	14PFA	PL15
MM4(X)P-JD	14PFA	---