

General Purpose Relay MJN

Relay with Plug-in Termination, available in SPDT, DPDT or 3PDT models

- 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
- UL and CSA recognition as motor controllers up to 600 VAC
- Recognized for 1/2 hp motor control applications at 240/480/600 VAC (1/3 hp at 120 VAC)



Ordering Information

To Order: Select part number and add the desired coil voltage rating (e.g. MJN1C-AC24).

Item Type	Contact form	Model				
		Plug-in		Flange		
		10 A version	LED indicator	10 A version	20 A version	30 A version
Standard	SPDT	MJN1C	MJN1C-N	MJN1CF	—	—
	DPST (NO/NC)	—	—	—	—	MJN1Z-E-RP
	DPDT	MJN2C	MJN2C-N	MJN2CF	MJN2CE	—
	3PDT	MJN3C	MJN3C-N	MJN3CF	—	—
Push-to-operate button	SPDT	MJN1C-I	MJN1C-IN	—	—	—
	DPDT	MJN2C-I	MJN2C-IN	—	—	—
	3PDT	MJN3C-I	MJN3C-IN	—	—	—
Latching	DPDT	MJN2CK	—	—	—	—

Specifications

■ Contact Data

Configuration		SPDT, DPDT, 3PDT
Initial contact resistance		50 mΩ max.
Materials		3/16" diameter Ag-Alloy
Contact UL ratings	10 A	10 amp @ 28 VDC and 120/240 VAC at 80% pf, 1/3 hp @ 120 VAC, 1/2 hp @ 277/240/480/600 VAC 8.5 FLA - 36 LRA at 18 VDC, 3 amp @ 480/600 VAC at 80% pf, 10 amp @ 277 VAC resistive
	20 A	20 amp @28 VDC and 120/240/277 VAC, 10 amp @ 480/600 VAC, 3/4 hp @ 120 VAC, 1-1/2 hp @ 240 VAC, 17 FLA - 65 LRA at 300VAC
	30 A	30 amp @ 28 VDC, 15 amp @ 480 / 600 VAC, 1hp @ 120 VAC, 1-1/2 hp @ 240 VAC
UL recognized file number		E196745

■ Coil Data

Non-latching - AC

Nominal voltage	Resistance in Ohms ± 10%		Nominal coil power		Coil voltages	Insulation resistance	Pick up voltage at 25°C (77°F)
	1 & 2 PDT	3PDT	1 & 2 PDT	3PDT			
24 VAC	75	72	1.7 VA	2.0 VA	6 to 240 VAC 50/60 Hz	1,000 MΩ min. @ 500 VDC	85% of nominal
120 VAC	2,250	1,700					
240 VAC	9,100	7,200					

Non-latching - DC

Nominal voltage	Resistance in Ohms ± 10%	Nominal coil power	Coil voltages	Insulation resistance	Pick up voltage at 25°C (77°F)
12 VDC	120	1.2 W	5 to 110 VDC	1,000 MΩ min. @ 500 VDC	75% of nominal
24 VDC	470				
48 VDC	1,800				
110 VDC	10,000				

Latching - AC

Nominal voltage	Latch coil resistance in Ohms ± 10%	Unlatch coil resistance in Ohms ± 10%	Nominal coil power		Coil voltages	Insulation resistance	Operate voltage (latch/unlatch) at 25°C (77°F) (see note)
24 VAC	88	1,740	1.7 VA	2.0 VA	6 to 240 VAC 50/60 Hz	1,000 MΩ min. @ 500 VDC	85% of nominal
120 VAC	2,090	17,430					

Note: 120% of nominal or greater (one second duration single pulse) unlatch voltage - - above this the relay latches again.
Maximum continuous voltage: 120% of nominal (one coil only).