

MY2N Relay

Highlights

- DPDT, LED Indicator, Plug-In/Solder Terminal, 24VDC, 5A
- UL & CSA Approvals, UL File No. 41515; CSA File No. LR31928
- Versatile and Function-filled Miniature Power Relay for Sequence Control and Power Switching Applications.
- Many variations possible through a selection of operation indicators (mechanical and LED indicators), lockable test button, built-in diode and CR (surge suppression), bifurcated contacts, etc.
- Arc barrier standard on 4-pole Relays.
- Dielectric strength: 2,000 VAC (coil to contact).
- Environment-friendly cadmium-free contacts.
- Safety standard approvals obtained.



Characteristics

Item	All Relays
Contact resistance/Coil Rating	100 mΩ/0.5Watts
Operate time	20 ms max
Release time	20 ms max
Max. operating frequency	Mechanical:18,000 operations/hr Electrical:1,800 operations/hr (under rated load)
Insulation resistance	1,000 MΩ min. (at 500 VDC)
Dielectric strength	2,000 VAC, 50/60 Hz for 1.0 min (1,000 VAC between contacts of same polarity)
Vibration resistance	Destruction:10 to 55 to 10 Hz, 0.5 mm single amplitude (1.0 mm double amplitude) Malfunction:10 to 55 to 10 Hz, 0.5 mm single amplitude (1.0 mm double amplitude)
Shock resistance	Destruction:1,000 m/s ² Malfunction:200 m/s ²
Endurance	See the following table
Ambient temperature	Operating: -55°C to 70°C (with no icing)
Ambient humidity	Operating: 5% to 85%
Weight	Approx. 35 g

Endurance Characteristics

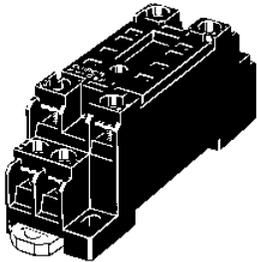
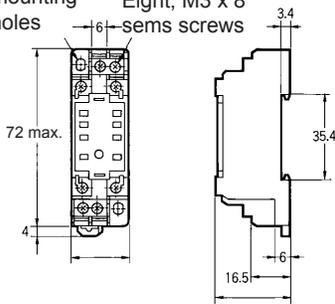
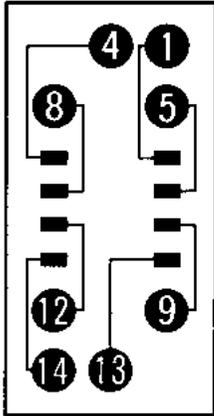
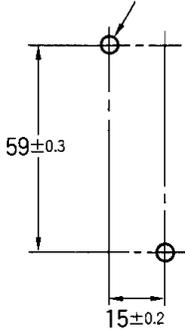
Pole	Mechanical life (at 18,000 operations/hr)	Electrical life (at 1,800 operations/hr under rated load)
2-pole	AC:50,000,000 operations min. DC:100,000,000 operations min.	500,000 operations min.

Socket for MY

- Snap into position along continuous sections of any mounting track.
- Facilitates sheet metal design by standardized mounting dimensions.
- Design with sufficient dielectric separation between terminals eliminates the need of any insulating sheet.



Dimensions

Socket	Dimensions	Terminal arrangement/ Internal connections (top view)	Mounting holes
	<p>Two, 4.2 x 5 mounting holes</p> <p>Eight, M3 x 8 sems screws</p> 		<p>Two, M3, M4, or 4.5-dia. holes</p>  <p>(TOP VIEW)</p> <p>Note: Track mounting is also possible. Refer to page 12 for supporting tracks.</p>