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With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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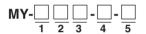
Hermetically Sealed Relay Ideal for Hazardous Locations

- Class 1 Division 2 approved.
- Fully hermetically sealed for hazardous locations.
- Cadmium-free contacts for environment-friendly use.
- Models with bifurcated contact also available.
- Conforms to UL508 and CSA 22.2.



Model Number Structure

■ Model Number Legend



1. Number of Poles

4: 4 poles

2. Contact

Blank: Single Z: Bifurcated

3. Enclosure ratings

H: Hermetically sealed

4. Approval

US: Class 1 Division 2 approval

5. Rated voltage

12 VDC, 24 VDC, 24 VAC, 110/120 VAC

Ordering Information

■ List of Models

Туре	Contact form	Plug-in socket/solder terminals
Hermetically sealed	4PDT	MY4H-US
	4PDT (bifurcated)	MY4ZH-US

Specifications

■ Ratings

<u>Coil</u>

Rated voltage (V)		Rated current (mA)		Coil resistance		Must release	Max. voltage	Power
		50 Hz	60 Hz	(Ω)	voltage	voltage		consumption
DC	12	75	•	160	80% max.	10% min.	110%	900 mW
	24	36.9		650				
AC	110/120	9.9/10.8	8.4/9.2	4,430]	30% min.		0.9-1.1 VA (60 Hz)
	24	53.8	46	180				

Contact Ratings

Contact material		Ag alloy
Rated load	Resistive p.f.=1	110 VAC, 3 A 24 VDC, 3 A
	Inductive p.f.=0.4 L/R-7 ms	110 VAC, 8 A 24 VDC, 1.5 A
Rated carry current		3 A
Max. switching voltage		125 VAC, 125 VDC
Max. switching current		3 A
Max. switching power		330 VA 72 W

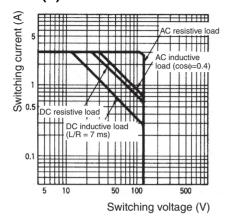
■ Characteristics

Contact resistance	50 m $Ω$ max.	
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	100 M Ω min. (at 500 VDC)	
Dielectric strength	1,000 VAC, 1 min between coil and contacts 1,000 VAC, 1 min between contacts of different polarity 700 VAC, 1 min 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/s² Malfunction: When energized: 200 m/s² When not energized: 200 m/s²	
Endurance	Mechanical: Single contact: 50,000,000 operations Bifurcated contact: 5,000,000 operations Electrical: 100,000 operations. (Single contact) 50,000 operations. (Bifurcated contact)	
Ambient temperature	Operating: -25 to 60°C	
Ambient humidity	Operating: 5% to 85%	
Weight	Approx. 50 g	

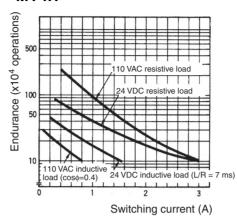
Engineering Data

Maximum Switching Power Endurance

MY4(Z)H

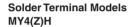


MY4H

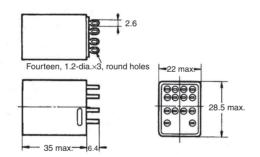


Note: The endurance is half for bifurcated contact models.

Dimensions

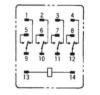






Terminal Arrangement/ Internal Connections





(There is no coil polarity.)

Socket

Track-mounted Socket Conforming to Class 1 Division 2

- Special Socket with Class 1 Division 2 approval.
- Holding clips contribute to safety by preventing the Relay falling out of the Socket due to vibration.



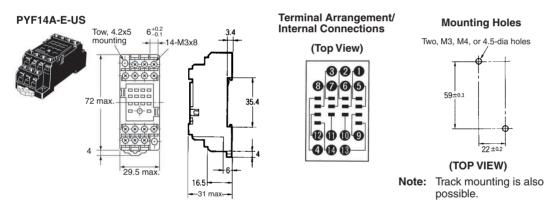
■ Ordering Information

Item	Pole	Mode
Track-mounted socket	4	PYF14A-E-US

Note: 1. Class 1 Division 2 approval is obtained for use with the MY4(Z)H Relay.

2. Clips are not included.

■ Dimensions



■ Accessory (Option)



ALL DIMENSIONS SHOWN ARE IN MILLIMETERS.

To convert millimeters into inches, multiply by 0.03937. To convert grams into ounces, multiply by 0.03527.

Cat. No. J131-E1-02

In the interest of product improvement, specifications are subject to change without notice.

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