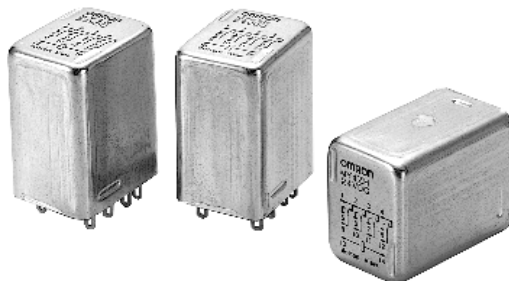


# Hermetically Sealed Relay MY4H

## 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.



## Ordering Information

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

## Model Number Legend:

MY-□□□-□-□  
1 2 3 4 5

### 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

## Specifications

### Ratings

#### Coil

Rated voltage (V)	Rated current (mA)		Coil resistance (Ω)	Must operate voltage	Must release voltage	Max. voltage	Power consumption
	50 Hz	60 Hz					
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				

## Contact Ratings

Contact material		Ag alloy
Rated load	Resistive p.f.=1	110 VAC, 3 A 24 VDC, 3A
	Inductive p.f.=0.4 L/R-7 ms	110 VAC, 0.8 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

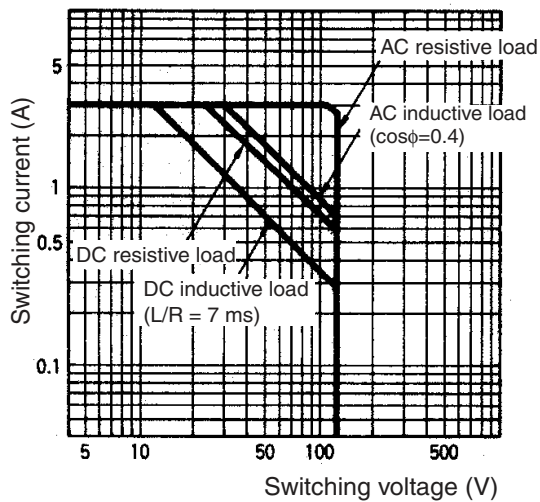
## ■ Characteristics

Contact resistance		50 mΩ 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 MΩ 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 Hz, 0.5 mm single amplitude
	Malfunction	10 to 55 Hz, 0.5 mm single amplitude
Shock resistance	Destruction	1,000 m/s <sup>2</sup>
	Malfunction	When energized: 200 m/s <sup>2</sup> When not energized: 200 m/s <sup>2</sup>
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
	Storage	-25 to 60°C
Ambient humidity		5% to 85%
Weight		Approx. 50 g

## ■ Characteristic Data

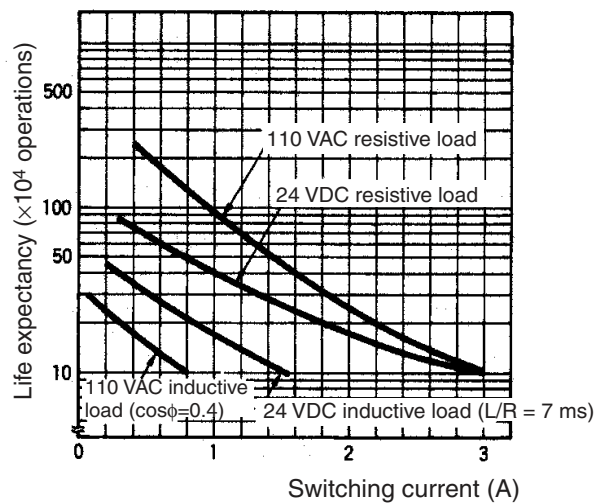
### Maximum Switching Power

MY4(Z)H



### Endurance

MY4H



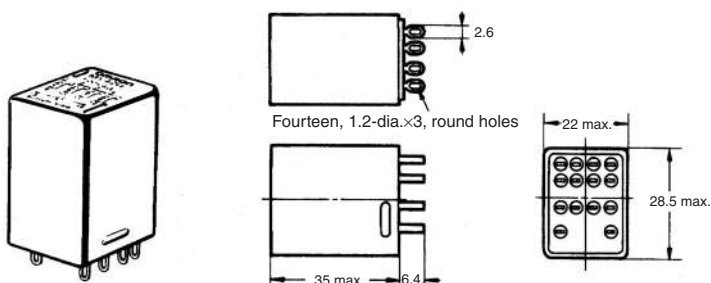
**Note** The endurance is for bifurcated contact models.

## Dimensions

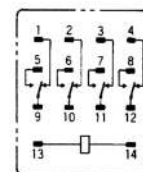
Unit: mm

### ■ Solder Terminal Models

MY4(Z)H



**Terminal Arrangement/  
Internal Connections  
(BOTTOM VIEW)**

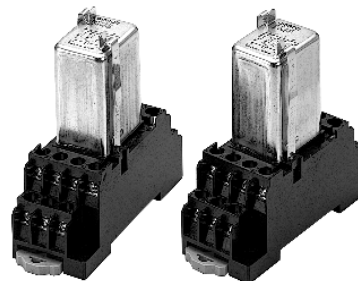


(There is no coil polarity.)

## ■ 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

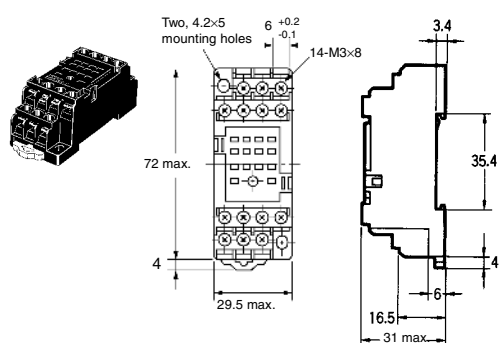
Item	Pole	Model
Track-mounted socket	4	PYF14A-E

- Note:**
1. Class 1 Division 2 approval is obtained for use with the MY4(Z)H Relay.
  2. Clips are not included.

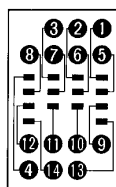
### Dimensions

Unit: mm

#### PYF14A-E

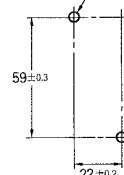


#### Terminal Arrangement/ Internal Connections (Top View)



#### Mounting Holes

Two, M3, M4, or 4.5-dia holes



(TOP VIEW)

**Note:** Track mounting is also possible.

## Approval Tables

UL recognized type (File no. E216067)

Type	Contact form	Coil ratings	Contact ratings
MY4H	4PDT	6 - 24 VAC 6 - 125 VDC	0.8 A - 120 VAC general purpose 1.5 A - 24 VDC general purpose 3.0 A - 120 VAC resistive 3.0 A - 24 VDC resistive

CSA certified type (File no. LR 31928)

Type	Contact form	Coil ratings	Contact ratings
MY4H	4PDT	6 - 24 VAC 6 - 125 VDC	0.8 A - 120 VAC general purpose 1.5 A - 24 VDC general purpose 3.0 A - 120 VAC resistive 3.0 A - 24 VDC resistive

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