Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

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!


## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

NEW

# Miniature Power Relays

MY-GS

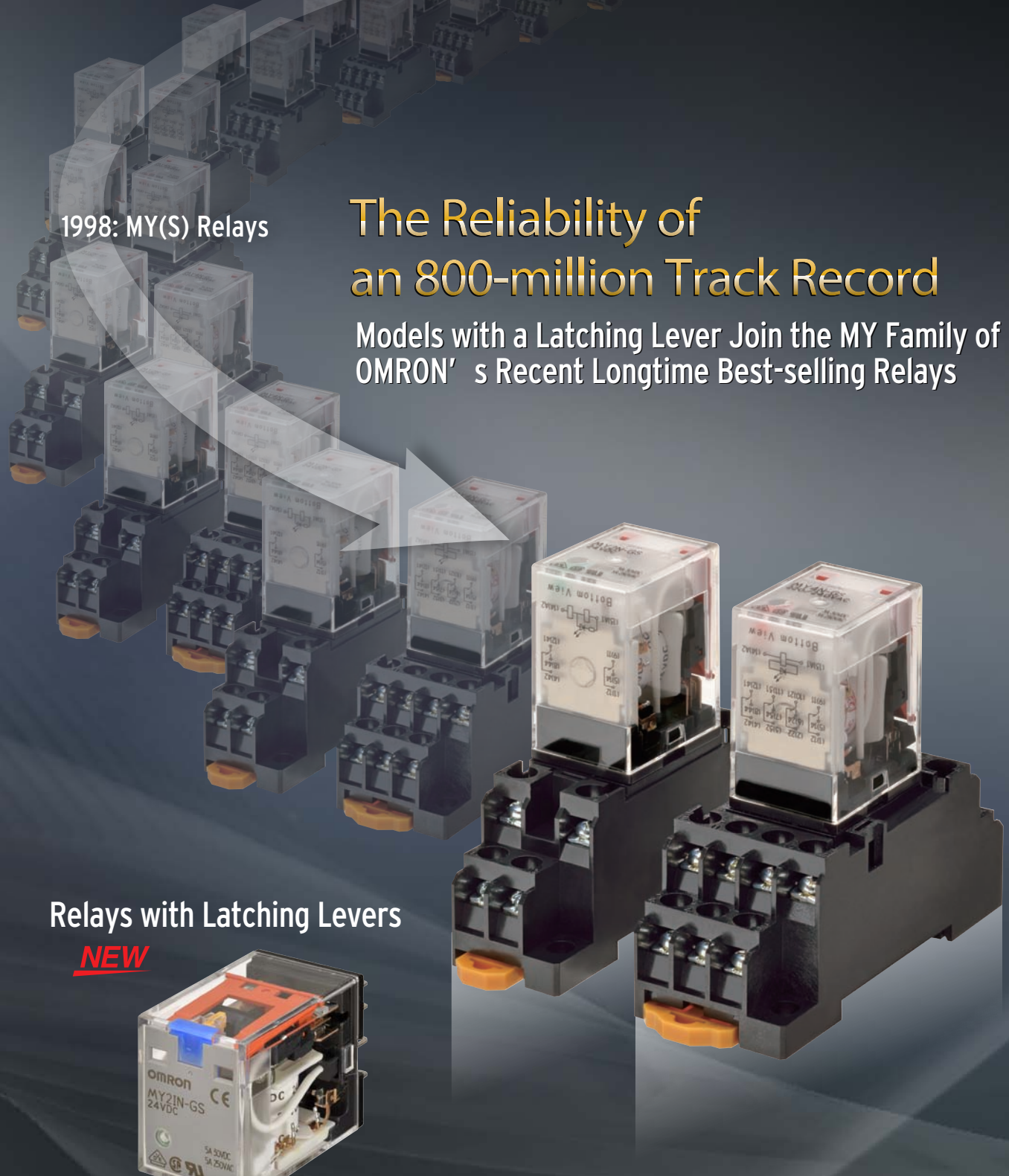
OMRON

1966: MY Relays

1998: MY(S) Relays

## The Reliability of an 800-million Track Record

### Models with a Latching Lever Join the MY Family of OMRON's Recent Longtime Best-selling Relays



### Relays with Latching Levers

NEW




First appearing in 1966, over 800 million MY-series Relays had been manufactured by 2012.
The MY Series grew to meet the needs of the day, and will continue to meet your needs in the future.

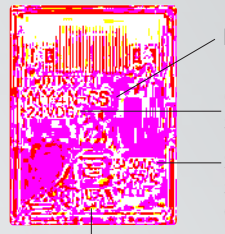
# Easier to See, Easier to Use

OMRON insists on inhouse production from component molds to manufacturing facilities to better meet your needs.

## Easily Accessible Information!

### Product Information at a Glance

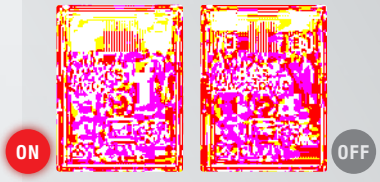
The model, specifications, and safety standards are all provided on the top surface.
You can check this information while the Relay is mounted in the Socket.




### Contact Status at a Glance

Mechanical indicators are now a standard feature so that you know the contact operating status even for standard models.

**Standard Models**



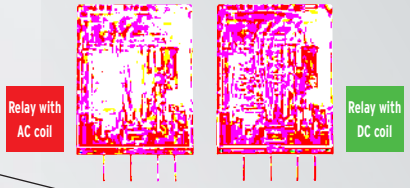

**Models with Operation Indicators**


### Different Looks for Different Specifications

To prevent incorrectly using the Relays, we've made it easy to tell the difference between Relays with different specifications.

**The color of the operation indicator (LED) shows whether the coil voltage is AC or DC.**


**The voltage specification is also shown by the coil tape.**





Added a Series with a Latching Lever that is Useful for Operation Check of Relay Sequence Circuits

## Latching lever operating method

| | | Normal State | Mode 1: Momentary State | Mode 2: Locked State |
|---|---|---|---|---|
|  | When seen from the top |  |   |  |
| | When seen from the side |  |  |  |
| | Operation Description | – | Slide the lever one step and press the yellow button with an insulated tool to operate the contacts. | If you slide the lever two steps, the contacts lock in the operation position. |

Note. According to the mechanism of the latching lever, the contacts are operated forcibly while the coil voltage is not being applied.

# Reliable Application!

## High Durability

High Electrical Durability
Helps reduce the maintenance frequency.

Two-pole Relay: 500,000 operations
Four-pole Relay: 200,000 operations

Note. For switching the rated load.
Refer to the datasheet for details.

Wide Ambient Operating Temperature
Reliable application is possible for high-density mounting and in cold locations.

Ambient operating temperature:
-55 to 70°C

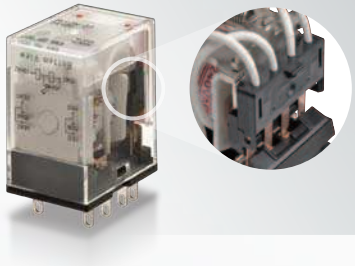
High Shock Resistance
Reduces malfunctions for unexpected external shocks.

Malfunction shock resistance: 20G

## New Design Stable Quality in Automatic Manufacturing

We took 50 years of manufacturing experience and designed market needs into design and production.

Examples: Connection reliability was achieved with welding and one-piece molding while stable quality was achieved in automatic manufacturing.



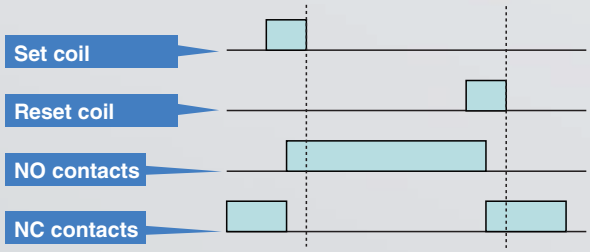
# There are reasons people continue to choose the MY Series.

The MY Series provides a wide variety of models to ensure that we have just the right model for you.

## Relays That Latch Contacts in the Operation Position

**MYK** Latching Relays

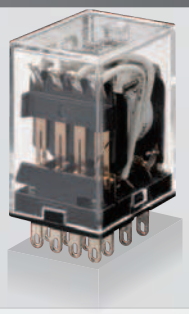
● Operation Chart




## Relays That Dependably Control Small Loads

**MY4Z** Relays with Bifurcated Contacts
**MY4Z-CBG** Relays with Bifurcated Crossbar Contacts

| Reliability | Contact structure |
|---|---|
| High ↑ | Bifurcated crossbar contacts with Au cladding |
| | Bifurcated contacts with Au plating |
| | Single contacts with Au plating |

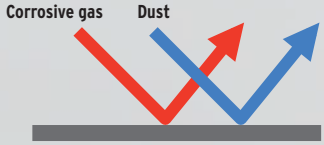


## Relays for Locations with Corrosive Gas or Excessive Dust

**MYQ** Plastic Sealed Relays
**MYH** Hermetically Sealed Relays

MYQ


MYH




⇒Refer to the group catalog or your OMRON website for details.

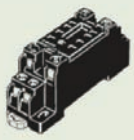
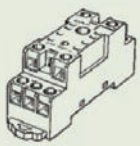
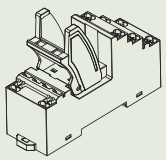
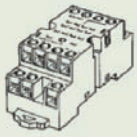
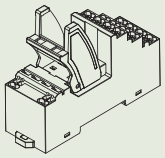
# Ordering Information

## List of Models

| Classification | Model | | Rated voltage (V) |
|---|---|---|---|
| Contact configuration | 2C | 4C | |
| Standard models | MY2-GS | MY4-GS | 12 VAC, 24 VAC, 48 VAC, 100/110 VAC, 110/120 VAC, 200/220 VAC, 220/240 VAC |
| | | | 6 VDC, 12 VDC, 24 VDC, 48 VDC, 100/110 VDC |
| Models with built-in operation indicators | MY2N-GS | MY4N-GS | 12 VAC, 24 VAC, 48 VAC, 100/110 VAC, 110/120 VAC, 200/220 VAC, 220/240 VAC |
| | | | 6 VDC, 12 VDC, 24 VDC, 48 VDC, 100/110 VDC, 220 VDC |
| Models with built-in operation indicators and diodes | MY2N-D2-GS | MY4N-D2-GS | 12 VDC, 24 VDC, 48 VDC, 100/110 VDC, 220 VDC |
| Models with built-in operation indicators and CR circuits | MY2N-CR-GS | MY4N-CR-GS | 100/110 VAC, 110/120 VAC, 200/220 VAC, 220/240 VAC |
| Models with built-in operation indicators having a latching lever | MY2IN-GS | MY4IN-GS | 12 VAC, 24 VAC, 48 VAC, 100/110 VAC, 110/120 VAC, 200/220 VAC, 220/240 VAC |
| | | | 6 VDC, 12 VDC, 24 VDC, 48 VDC, 100/110 VDC, 220 VDC |
| Models with built-in operation indicators having a latching lever, and diodes | MY2IN-D2-GS | MY4IN-D2-GS | 12 VDC, 24 VDC, 48 VDC, 100/110 VDC, 220 VDC |
| Models with built-in operation indicators having a latching lever, and CR circuits | MY2IN-CR-GS | MY4IN-CR-GS | 100/110 VAC, 110/120 VAC, 200/220 VAC, 220/240 VAC |

## Options (Order Separately)

### Connection Sockets and Hold-down Clips

| | Front-mounting Sockets | | | Back-mounting Sockets |
|---|---|---|---|---|
| Mounting | DIN Track or screw mounting | | | PCB mounting |
| Terminal Type | Screw terminal | Finger protection structure | Push-In Plus Terminal | PCB terminals |
| MY2-GS<br>MY2N-GS<br>MY2N-D2-GS<br>MY2N-CR-GS<br>MY2IN-GS<br>MY2IN-D2-GS<br>MY2IN-CR-GS | PYF08A-E  | PYF08A-N  | PYF-08-PU  | PY08-02  |
| MY4-GS<br>MY4N-GS<br>MY4N-D2-GS<br>MY4N-CR-GS<br>MY4IN-GS<br>MY4IN-D2-GS<br>MY4IN-CR-GS | PYF14A-E  | PYF14A-N  | PYF-14-PU  | PY14-02  |
| Hold-down Clips | PYC-A1 | | Socket combination | PYC-P |


**OMRON Corporation** **Industrial Automation Company**
**Kyoto, JAPAN**
**Contact: www.ia.omron.com**

**OMRON (CHINA) CO., LTD.**
Room 2211, Bank of China Tower,
200 Yin Cheng Zhong Road,
PuDong New Area, Shanghai, 200120, China
Tel: (86) 21-5037-2222/Fax: (86) 21-5037-2200

**OMRON ASIA PACIFIC PTE. LTD.**
No. 438A Alexandra Road # 05-05/08(Lobby 2),
Alexandra Technopark, Singapore 119967
Tel: 65-6835-3011/Fax: 65-6835-2711

**OMRON TAIWAN ELECTRONICS INC.**
6F, Home Young Budg., No.363,
Fu-Shing N.Road, Taipei, Taiwan R.O.C
Tel: (886) 2-2715-3331/Fax: (886) 2-2712-6712


**Authorized Distributor:**




CSM_2_2_0318
**Cat. No. J196-E1-03** 0318(0414)