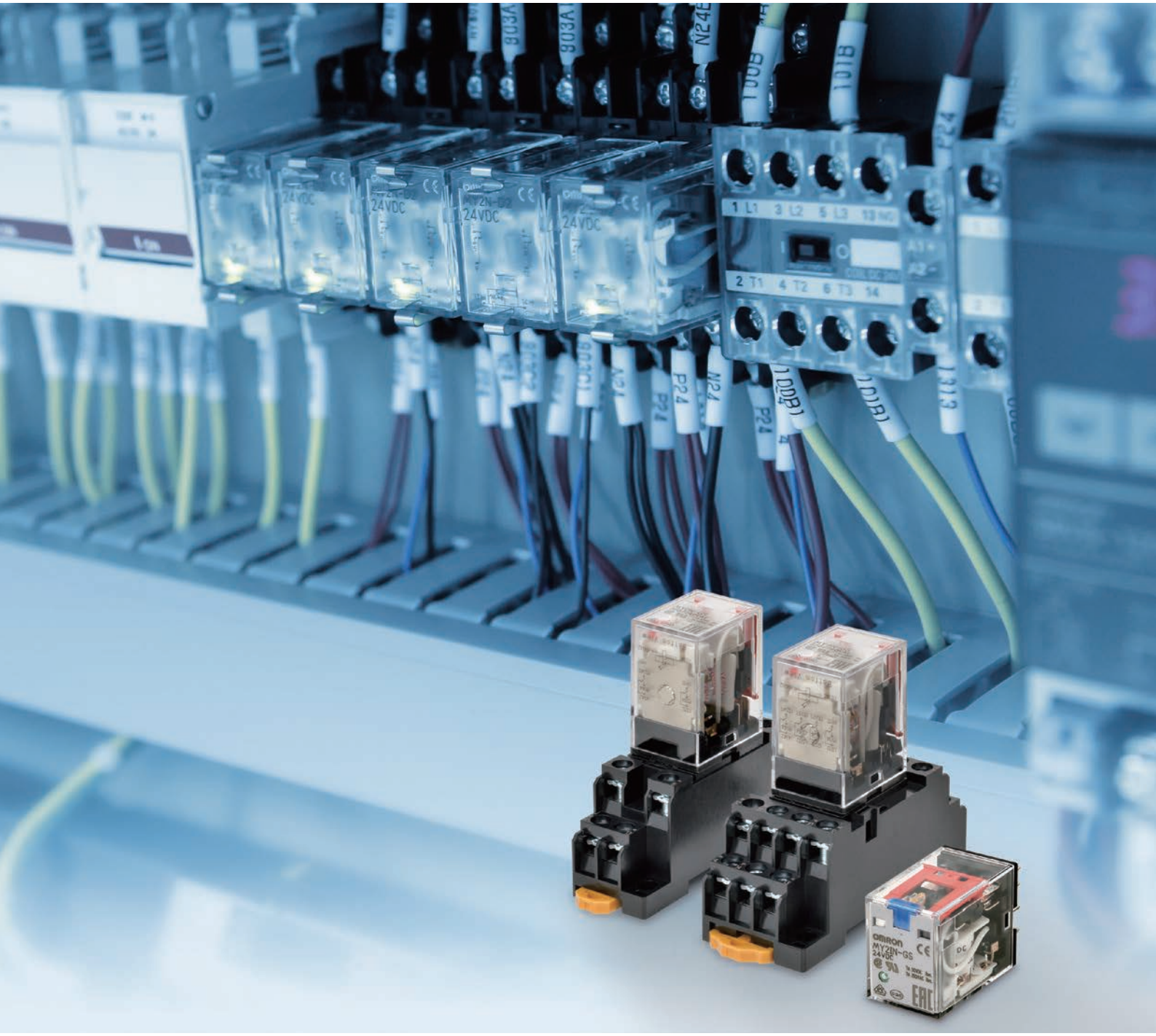
Miniature Power Relays
MY-GS

Minimize dust in the relay to improve reliability of equipment and facilities

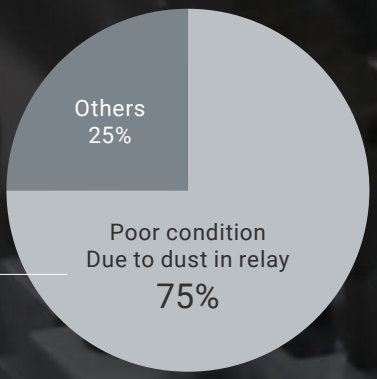


“High reliability, long endurance” Relays that are the result of more than 50 years of experience in actual production to resolve your facility stoppage issues

Have you ever experienced that

- The facility stopped unexpectedly; the cause couldn’t be identified, but when restarted, it runs without any problem?
- The facility stopped unexpectedly; the cause couldn’t be identified, but when the relays are replaced, it runs without any problem?

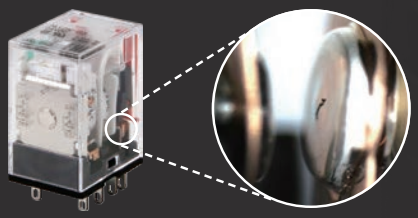
These events may be caused by poor conduction in relays.
Resolve these issues with OMRON’s quality Relays,
which are the result of more than 50 years of history.



Poor conduction in relays is primarily due to the dust inside.

Note.OMRON research

Poor conduction occurs when dust inside a relay is caught between its contacts.



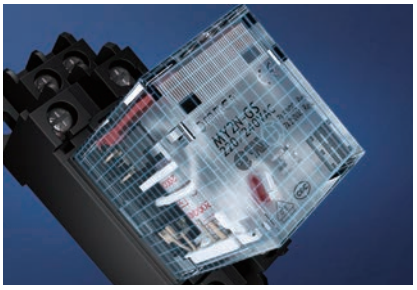
What is dust, to begin with?

- Resin scrap coming from relay parts
- Textile fibers coming from assembly workers during production

High Reliability

Thorough Dust Removal in Three Steps to Realizes High Reliability

OMRON’s three commitments for relay production towards improved reliability.



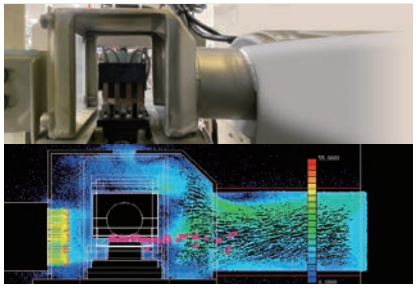
01：Not to generate dust

Causes of dust generation accumulated from years of production
Standardized design to control dust generation



02：Not to bring dust

Production in clean room using protective clothing
Strict entry/exit control rules



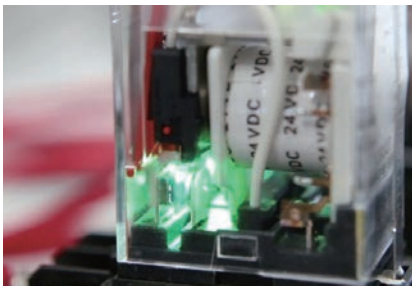
03：Not to leave dust

OMRON’s unique dust removal technology
Final finish as a provision against contingencies

High Durability

High Electrical Durability

Helps reduce the maintenance frequency.
Two-pole Relay: 500,000 operations
Four-pole Relay: 200,000 operations



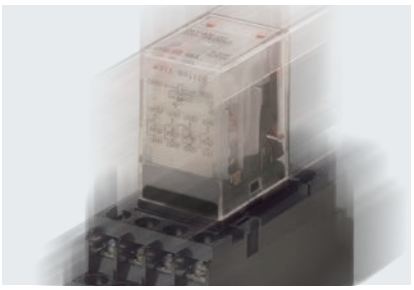
Wide Ambient Operating Temperature

Reliable application is possible for high-density mounting and in cold locations.
Ambient operating temperature: -55 to 70°C



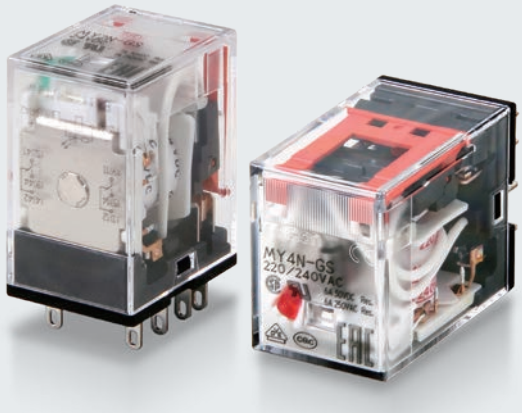
High Shock Resistance

Reduces malfunctions for unexpected external shocks
Malfunction shock resistance: 20G



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

Avidly Pursuing Further “Ease of Use”



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



ON OFF

Models with Operation Indicators



ON OFF

No Need for Coil Energization to Confirm Operation

Operation of models with latching lever can be confirmed without energizing the coil.



Different Looks for Different Specifications

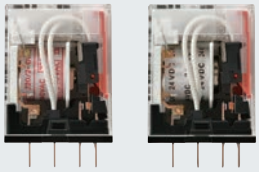
To prevent incorrectly using the Relays, we've made it easy to tell the difference between Relays with different specifications.

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



Relay with AC coil Relay with DC coil

The voltage specification is also shown by the coil tape.



Relay with AC coil Relay with DC coil

Ordering Information

List of Models

Classification	Model		Rated voltage (V)
Contact configuration	2C	4C	
Standard models	MY2-GS-R	MY4-GS-R	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-R	MY4N-GS-R	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-R	MY4N-D2-GS-R	12 VDC, 24 VDC, 48 VDC, 100/110 VDC, 220 VDC
Models with built-in operation indicators and CR circuits	MY2N-CR-GS-R	MY4N-CR-GS-R	100/110 VAC, 110/120 VAC, 200/220 VAC, 220/240 VAC
Models with built-in operation indicators having a latching lever	MY2IN-GS-R	MY4IN-GS-R	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-R	MY4IN-D2-GS-R	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-R	MY4IN-CR-GS-R	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-R MY2N-GS-R MY2N-D2-GS-R MY2N-CR-GS-R MY2IN-GS-R MY2IN-D2-GS-R MY2IN-CR-GS-R	PYFZ-08-E 	PYF08A-N 	PYF-08-PU 	PY08-02 
MY4-GS-R MY4N-GS-R MY4N-D2-GS-R MY4N-CR-GS-R MY4IN-GS-R MY4IN-D2-GS-R MY4IN-CR-GS-R	PYFZ-14-E 	PYF14A-N 	PYF-14-PU 	PY14-02 
Hold-down Clips	PYC-A1		Socket combination	PYC-P

Note: Do not use this document to operate the Unit.

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