# MY-GS

CSM\_MY-GS\_DS\_E\_3\_1

# Mechanical Indicators Added as a Standard Feature to Our Best-selling MY General-purpose Relays

- A lineup of models with latching levers added for easier circuit checking.
- Reduces wiring work by 60% when combined with the PYF-PU Push-In Plus Socket (according to actual OMRON measurements).
- Relays with AC and DC coils have different colors of operating indicators (LEDs).
- Printing on the coil tape indicates the operating coil specification.
- Mechanical operation indicators are a standard feature on all models.
- RoHS complaint.
- UL, CSA, and IEC (VDE certification).

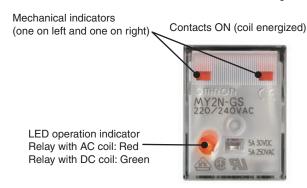


Refer to the Common Relay Precautions.

## **Features**

## Common to all specifications

- Mechanical indicators are a standard feature on all models so that you can easily check the contact status.
- The color of the LED shows whether the coil voltage is AC or DC.



Relay with AC Coil (LED: Red)

Contacts OFF (coil de-energized)



Relay with AC Coil (LED: Red)



Relay with DC Coil (LED: Green)

## With latching lever

- Useful for the operation check of relay sequence circuits.
- The coil voltage AC/DC can be identified by the color of the latching lever (AC coil specification: red, DC coil specification: Blue).

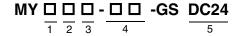
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#### Latching lever operating method

	Normal State	Mode 1: Momentary State	Mode 2: Locked State
When seen from the top	MAZEN-OS MAZEN-OS See es a local	Yellow button	were to provide the provide p
When seen from the side	AND THE THE PARTY OF THE PARTY	To the state of th	A CONTRACTOR OF THE CONTRACTOR
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.

## **Model Number Structure**

## **Model Number Legend**



- 1. Number of Poles
  - 2: 2 poles 4: 4 poles
- Latching Lever Blank: Without latching lever With latching lever
- 3. LED Operation Indicator
  Blank: Built-in mechanical indicators
  - LED operation indicator and built-in mechanical indicators
- 4. Coil Surge Absorption Blank: Standard models
  - D2: Models with built-in diodes CR: Models with built-in CR circuits
- 5. Operating Coil Voltage
- Display Example: DC24

## **List of Models**

## **Miniature Power Relays (MY-GS)**

			Plug-in (octal pins) terminals		
Category	Number of	Contact	With operation indicator		cator
Category	poles	structure			With latching lever
Standard models	2		MY2-GS	MY2N-GS	MY2IN-GS
Standard models	4	Single	MY4-GS	MY4N-GS	MY4IN-GS
Models with built-in diodes	2			MY2N-D2-GS	MY2IN-D2-GS
for coil surge absorption	4			MY4N-D2-GS	MY4IN-D2-GS
Models with built-in CR circuits	2			MY2N-CR-GS	MY2IN-CR-GS
for coil surge absorption	4	=		MY4N-CR-GS	MY4IN-CR-GS

# **Ordering Information**

## Main unit

## Standard model without operation indicator

Number of poles	Model	Rated voltage (V)	
2 10/19/2-(45		12, 24, 100/110, 110/120, 200/220, 220/240 VAC 6, 12, 24, 48, 100/110 VDC	
4	4 MY4-GS 12, 24, 100/110, 110/120, 200/220, 220/240 VAC 6, 12, 24, 48, 100/110 VDC		

## Standard model with operation indicator

Number of poles	Model	Rated voltage (V)	
2	MY2N-GS	12, 24, 100/110, 110/120, 200/220, 220/240 VAC 6, 12, 24, 48, 100/110, 220 VDC	
4	MY4N-GS	12, 24, 100/110, 110/120, 200/220, 220/240 VAC 6, 12, 24, 48, 100/110, 220 VDC	

## Standard model with operation indicator and latching lever

Number of poles	Model	Rated voltage (V)	
2 MY2IN-GS		12, 24, 48, 100/110, 110/120, 200/220, 220/240 VAC 6, 12, 24, 48, 100/110, 220 VDC	
4	MY4IN-GS	12, 24, 48, 100/110, 110/120, 200/220, 220/240 VAC 6, 12, 24, 48, 100/110, 220 VDC	

## Models with built-in diodes for coil surge absorption with operation indicator

Number of poles	Model	Rated voltage (V)	
2	MY2N-D2-GS	12, 24, 48, 100/110, 220 VDC	
4	MY4N-D2-GS	12, 24, 48, 100/110, 220 VDC	

## Models with built-in diodes for coil surge absorption with operation indicator and latching lever

Number of poles	Model	Rated voltage (V)	
2	MY2IN-D2-GS	12, 24, 48, 100/110, 220 VDC	
4	MY4IN-D2-GS	12, 24, 48, 100/110, 220 VDC	

## Models with built-in CR circuits for coil surge absorption with operation indicator

Number of poles	Model	Rated voltage (V)	
2 MY2N-CR-GS 100/110, 110/120, 200/220, 220/240 VAC		100/110, 110/120, 200/220, 220/240 VAC	
4	MY4N-CR-GS	100/110, 110/120, 200/220, 220/240 VAC	

## Models with built-in CR circuits for coil surge absorption with operation indicator and latching lever

Number of poles	Model	Rated voltage (V)	
2	MY2IN-CR-GS	100/110, 110/120, 200/220, 220/240 VAC	
4	MY4IN-CR-GS	100/110, 110/120, 200/220, 220/240 VAC	

## **Options (order separately)**

## **Front-mounting Sockets**

Number of Pins	Applicable Relay Model	Terminal Type	Mounting Method	Appearance	Model	Hold-down Clips
	MV2 CC	Screw terminal Finger protection structure *1 (Screw size M3)	DIN Track or screw mounting		PYF08A-E	PYC-A1 *3
8	MY2-GS MY2N-GS MY2IN-GS 8 MY2N-D2-GS MY2IN-D2-GS MY2N-CR-GS MY2IN-CR-GS	Screw terminal Finger protection structure *1 (Screw size M3)	DIN Track or screw mounting		PYF08A-N	PYC-A1 *3
		Push-In Plus Terminal (Integrated Socket with release lever)	DIN Track or screw mounting *2		PYF-08-PU	
	MY4-GS MY4N-GS MY4IN-GS 14 MY4N-D2-GS MY4IN-D2-GS MY4N-CR-GS MY4N-CR-GS	Screw terminal Finger protection structure *1 (Screw size M3)	DIN Track or screw mounting		PYF14A-E	PYC-A1 *3
14		Screw terminal Finger protection structure *1 (Screw size M3)	DIN Track or screw mounting		PYF14A-N	PYC-A1 *3
		Push-In Plus Terminal (Integrated Socket with release lever)	DIN Track or screw mounting *2		PYF-14-PU	

<sup>\*1.</sup> In the finger protection type (PYF\(\triangle A\)-E and PYF\(\triangle A\)-N), the terminal cover is integrated into the Socket. Round terminals cannot be used. Use forked terminals or ferrules instead.

#### **Back-mounting Sockets**

Number of Pins	Applicable Relay Model	Terminal Type	Appearance	Model	Hold-down Clips
8	PY08-02	PCB terminals		PY08-02	PYC-P
14	PY14-02	PCB terminals		PY14-02	110-1

#### **Socket accessories Mounting Bracket**

Appearance *1	Model	Weight *2	Application
	PYC-A1	Approx. 0.54 g	For joining the Socket and Relay
	PYC-P	Approx. 1.4 g	For joining the Socket and Relay

<sup>\*2.</sup> There are screw mounting holes in the DIN hooks on the PYF-□□-PU. Pull out the DIN hook tabs to mount the Sockets with screws.

**<sup>\*3.</sup>** Model number of the applicable Mounting Bracket. Sold in sets of two.

<sup>\*1.</sup> Describes the appearance when the Relay, Socket, and Mounting Bracket have been combined together.

\*2. The PYC-A1 includes two Mounting Brackets in one set. The weight specified above is the weight of one Mounting Bracket.

## **Ratings and Specifications**

## **Ratings**

# Main unit Operating Coil

Item		Rated co	urrent (mA)	Coil resistance	Coil indu	uctance (H)	Must-operate voltage	Must-release voltage	Maximum voltage	Power consumption
Rated voltage		50 Hz 60 Hz		resistance (Ω)	Armature OFF	Armature ON	Perce	Percentage of rated voltage		
	12	106.5	91	46	0.17	0.33			110%	
	24	53.8	46	180	0.69	1.3				
	48	25.7	21.1	788	3.22	5.66				
AC	100/110	11.7/12.9	10.0/11.0	3,750	14.54	24.6		30% min. *2		Approx. 0.9 to 1.3 (at 60 Hz)
	110/120	9.9/10.8	8.4/9.2	4,430	19.2	32.1				
	200/220	6.2/6.8	5.3/5.8	12,950	54.75	94.07				
	220/240	5.2/6.2	4.3/5.0	15,920	83.5	136.4				
	6	146 (151)		41.0 (39.8)	0.17	0.33	80% max. *1			
	12	72.7 (75)		165 (160)	0.73	1.37				
	24	36.3 (37.7)		662 (636)	3.2	5.72				
DC	48	17.6 (18.8)	17.6 (18.8)		10.6	21.0		10% min. *2		Approx. 0.9
	100/110	8.7 (9.0)/9.0	6 (9.9)	11,440 (11,100)	45.6	86.2				
	220	3.6		60,394	362.3	452.9				Approx. 0.8

Note: 1. The rated current and coil resistance are measured at a coil temperature of 23°C with tolerances of +15%/–20% for the AC rated current and +15% for the DC coil resistance.

- 2. The AC coil resistance and inductance values are reference values only (at 60 Hz).
- 3. Operating characteristics were measured at a coil temperature of 23°C.
- 4. The values in parentheses for the rated currents and coil voltages of DC coils are for models with LED operation indicators.
- 5. The maximum voltage capacity was measured at an ambient temperature of 23°C.
- **\*1.** There is variation between products, but actual values are 80% max.

The Relay will operate if 80% or higher of the rated voltage is applied. However, to achieve the specified characteristics, apply the rated voltage to the coil.

\*2. There is variation between products, but actual values are 30% minimum for AC and 10% minimum for DC. To ensure release, use a value that is lower than the specified value.

#### Contacts

	2 p	oles	4 μ	ooles	
	Resistive load	Inductive load (cos φ = 0.4, L/R = 7 ms)	Resistive load	Inductive load (cos $\phi$ = 0.4, L/R = 7 ms)	
Contact configuration	DPDT		4PDT		
Contact structure	Single				
Contact material	Ag				
Rated load	5 A at 220 VAC 5 A at 24 VDC	2 A at 220 VAC 2 A at 24 VDC	3 A at 220 VAC 3 A at 24 VDC	0.8 A at 220 VAC 1.5 A at 24 VDC	
Rated carry current	5 A		3 A		
Maximum contact voltage	250 VAC, 220 VDC		250 VAC, 220 VDC		
Maximum contact current	5 A		3 A		
Maximum switching capacity	1,100 VA 120 W	440 VA 48 W	660 VA 72 W	176 VA 36 W	
Minimum load (reference values)*	1 mA at 5 VDC				

<sup>\*</sup>These values are guides for the switchable limits for minute load levels, such as in electronic circuits. Actual characteristics may be different. These values will depend on the switching frequency, atmosphere, and expected reliability level. Confirm applicability in the actual system under actual application conditions.

## **Characteristics** Main unit

		2 poles	4 poles			
Contact resistance *1		100 m $\Omega$ max.				
Operation time *2		20 ms max.				
Release time *2		20 ms max.				
Maximum operating	Mechanical	18, 000 operations/h				
frequency	Rated load	2,400 operations/h				
Insulation resistance	*3	1,000 MΩ min.				
	Between coil and contacts	2,000 VAC at 50/60 Hz for 1 min.				
Dielectric strength	Between contacts of different polarity	olarity 2,000 VAC at 50/60 Hz for 1 min.				
	Between contacts of the same polarity	etween contacts of the same polarity 1,000 VAC at 50/60 Hz for 1 min.				
Vibration resistance	Destruction	10 to 55 to 10 Hz, Double amplitude: 1.0 mm				
vibration resistance	Malfunction	10 to 55 to 10 Hz, Double amplitude: 1.0 mm				
Shock resistance	Destruction	1,000 m/s <sup>2</sup> (approx. 100 G)				
Snock resistance	Malfunction	200 m/s <sup>2</sup> (Approx. 20 G)				
	Mechanical	50,000,000 operations (switching frequency:	18,000 operations/h)			
Endurance	Electrical *4	500,000 operations (switching frequency: 2,400 operations/h)	200,000 operations (switching frequency: 2,400 operations/h)			
Ambient operating temperature		Standard models: –55 to 70°C (with no icing or condensation) Models with LED operation indicators: –40 to 70°C (with no icing or condensation)				
Ambient humidity		5% to 85%				
Weight		Approx. 35 g				
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Note: The above values are initial values.

**\*1.** Measurement conditions: 1 A at 5 VDC using the voltage drop method.

\*2. Measurement conditions: With rated operating power applied, not including contact bounce time.
\*3. Measurement conditions: For 500 VDC applied to the same location as for dielectric strength measurement.
\*4. Ambient temperature condition: 23°C

Duty ratio: 33%

## **Options (order separately)**

### **Sockets**

							Di	Dielectric strength								
Model	Conn ection	Number of Pins	Terminal Type	Ambient operating temperature	Ambient humidity	Continuous carry current	Between contact terminals of same polarity	Between contact terminals of different polarity	Between coil and contact terminals	Insulation resistance *1	Weight					
PYF08A-E			Screw	−55 to 70°C	5% to 85% RH	7A	2,000 VAC 1 min	2,000 VAC 1 min	2,000 VAC 1 min	1,000 MΩ min.	Approx. 32 g					
PYF08A-N		8	terminal	–55 to 70°C		7A	2,000 VAC 1 min	2,000 VAC 1 min	2,000 VAC 1 min	(500 VDC)	Approx. 32 g					
PYF-08-PU	Front	Plus Termir	Push-In Plus Terminal	−40 to 70°C	5% to 85% RH	10A <b>*</b> 2	2,000 VAC 1 min	2,000 VAC 1 min	2,000 VAC 1 min	1,000 MΩ min. (500 VDC)	Approx. 80 g					
PYF14A-E	Front	Screw	Screw	–55 to 70°C		5A	2,000 VAC 1 min	2,000 VAC 1 min	2,000 VAC 1 min	1,000 MΩ min.	Approx. 50 g					
PYF14A-N		14	terminal	–55 to 70°C	5% to 85%	5A	2,000 VAC 1 min	2,000 VAC 1 min	2,000 VAC 1 min	(500 VDC)	Approx. 50 g					
PYF-14-PU								Push-In Plus Terminal	−40 to 70°C	RH	6A	2,000 VAC 1 min	2,000 VAC 1 min	2,000 VAC 1 min	1,000 MΩ min. (500 VDC)	Approx. 87 g
PY08-02		8	PCB	−55 to 70°C	5% to 85% RH	7A	1,500 VAC 1 min	1,500 VAC 1 min	1,500 VAC 1 min	100 M $\Omega$ min.	Approx. 7.2 g					
PY14-02	Dack	terminals55 to 70°C	5% to 85% RH	3A	1,500 VAC 1 min	1,500 VAC 1 min	1,500 VAC 1 min	100 M $\Omega$ min.	Approx. 10 g							

**<sup>\*1.</sup>** For 500 VDC applied to the same location as for dielectric strength measurement.

#### **Socket Accessories** For front-connecting Sockets **Short Bars**

Application	Applicable sockets	Model	Maximum carry current	Ambient operating temperature	Ambient operating humidity
		PYDN-7.75-020□			
For Contact terminals	PYF-08-PU(-L) PYF-14PU(-L)	PYDN-7.75-030□	20 A	-40 to 70°C	5% to 85%RH
(common)		PYDN-7.75-040□	20 A		
		PYDN-7.75-200□			
For Coil terminals	PYF-08-PU(-L) PYF-14PU(-L)	PYDN-31.0-080□	20 A	−40 to 70°C	5% to 85%RH

<sup>\*2.</sup> The continuous carry current of 10 A is for an ambient temperature of 55°C. At an ambient temperature of 70°C, the value is 7 A.

## **Certified Ratings for Models Certified for Safety Standards**

The rated values for safety standard certification are not the same as individually defined performance values. Always check the specifications before use.

## Main unit

**UL-certified Models: UL508** 

MY-GS	Number of poles	Coil ratings	Contact ratings	Certified number of operations
	2	12 VAC, 24 VAC, 48 VAC, 100/110 VAC, 110/120 VAC, 200/220 VAC, or 220/240 VAC 6 VDC, 12 VDC, 24 VDC, 48 VDC, 100/110 VDC, or 220 VDC	5 A, 30 VDC (General Use) 5 A, 250 VAC (General Use)	6,000 operations
	4	12 VAC, 24 VAC, 48 VAC, 100/110 VAC, 110/120 VAC, 200/220 VAC, or 220/240 VAC 6 VDC, 12 VDC, 24 VDC, 48 VDC, 100/110 VDC, or 220 VDC	3 A, 30 VDC (General Use) 3 A, 250 VAC (General Use)	6,000 operations

#### CSA-certified Models: CSA C22.2 No.14

MY-GS	Number of poles	Coil ratings	Contact ratings	Certified number of operations
	2	12 VAC, 24 VAC, 48 VAC, 100/110 VAC, 110/120 VAC, 200/220 VAC, or 220/240 VAC 6 VDC, 12 VDC, 24 VDC, 48 VDC, 100/110 VDC, or 220 VDC	5 A, 30 VDC (General Use) 5 A, 250 VAC (General Use)	6,000 operations
	4	12 VAC, 24 VAC, 48 VAC, 100/110 VAC, 110/120 VAC, 200/220 VAC, or 220/240 VAC 6 VDC, 12 VDC, 24 VDC, 48 VDC, 100/110 VDC, or 220 VDC	3 A, 30 VDC (General Use) 3 A, 250 VAC (General Use)	6,000 operations

#### **VDE-certified Models: EN 61810-1**

MY-GS	Number of poles	Coil ratings	Contact ratings	Certified number of operations
	2	12 VAC, 24 VAC, 48 VAC, 100/110 VAC, 110/120 VAC, 200/220 VAC, or 220/240 VAC 6 VDC, 12 VDC, 24 VDC, 48 VDC, 100/110 VDC, or 220 VDC	5 A, 30 VDC (L/R = 1) 5 A, 250 VAC (cosφ = 1)	10,000 operations
	4	12 VAC, 24 VAC, 48 VAC, 100/110 VAC, 110/120 VAC, 200/220 VAC, or 220/240 VAC 6 VDC, 12 VDC, 24 VDC, 48 VDC, 100/110 VDC, or 220 VDC	3 A, 30 VDC (L/R = 1) 3 A, 250 VAC (cosφ = 1)	10,000 operations

## **Options (order separately)**

Sockets

CSA certified (File No. LR031928)

	<u>,                                      </u>		
Model	Ratings	Class number	Standard number
PYF08A-E	7A 250V		
PYF14A-E	7A 250V		
PYF08A-N	7A 250V	3211 07	CSA C22.2 No14
PYF14A-N	7A 250V	3211 07	CSA C22.2 NO 14
PYF-08-PU	10A 250V		
PYF-14-PU	6A 250V		

## **UL Standards Certification (File No. E87929)**

Model	Ratings	Standard number	Category	Listed/Recognized	
PYF08A-E	- 7A 250V				
PYF14A-E	7A 250V			Recognized	
PYF08A-N	74.050)/	111 500	SWIV2		
PYF14A-N	- 7A 250V	UL508	SWIVZ		
PYF-08-PU	10A 250V				
PYF-14-PU	6A 250V				

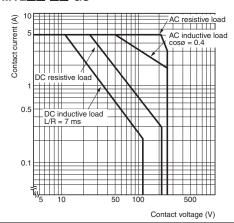
## **TÜV Rheinland certification**

Model	Ratings	Standard number	Certification No.	
PYF08A-N	7A 250V		J50224549	
PYF14A-N	7A 250V	EN 61984	330224349	
PYF-08-PU	10A 250V *	LIN 01904	R50327595	
PYF-14-PU	YF-14-PU 6A 250V		h30327393	

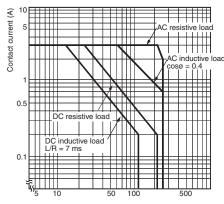
<sup>\*</sup> Ratings are for an ambient temperature of up to 55°C. At an ambient temperature of 70°C, the value is 7A.

# **Engineering Data (Reference Value)**

# Maximum Switching Capacity MY2□□-□□-GS



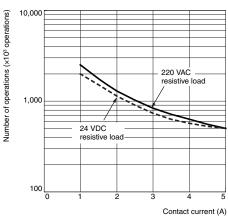
#### MY4□□-□□-GS



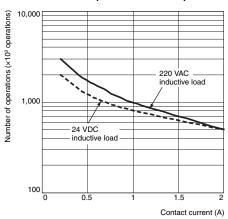
Contact voltage (V)

#### **Endurance Curve**

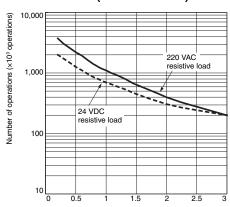
## MY2□□-□□-GS (Resistive Load)



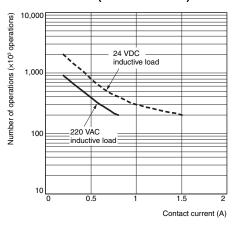
#### MY2□□-□□-GS (Inductive Load)



#### MY4□□-□□-GS (Resistive Load)



MY4□□-□□-GS (Inductive Load)

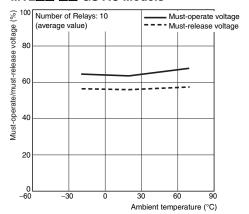


Note: 1. Number of operations: AC load, 50 Hz, 80%

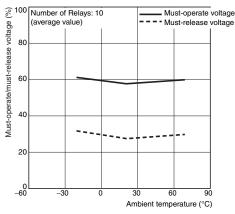
2. Switching condition: NO or NC

## Ambient Temperature vs. Must-operate and Must-release Voltage

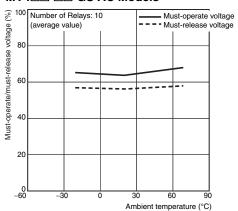
#### MY2□□-□□-GS AC Models



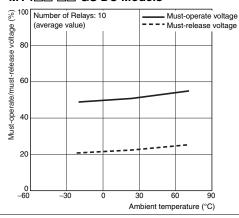
#### MY2□□-□□-GS DC Models



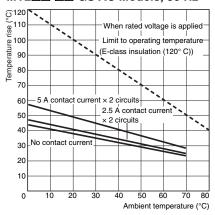
#### MY4□□-□□-GS AC Models



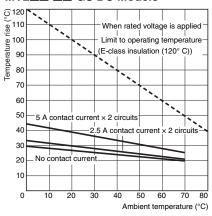
#### MY4□□-□□-GS DC Models



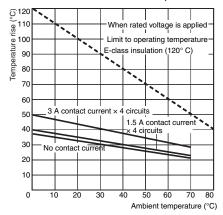
# Ambient Temperature vs. Coil Temperature Rise MY2□□-□□-GS AC Models, 50 Hz



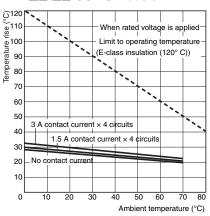
#### MY2□□-□□-GS DC Models



#### MY4□□-□□-GS AC Models, 50 Hz



#### MY4□□-□□-GS DC Models

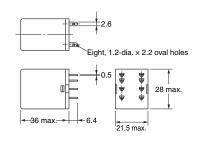


**Dimensions** (Unit: mm)

## Relays

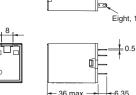
MY2-GS MY2N-GS MY2N-D2-GS **MY2N-CR-GS** 

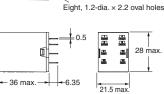




#### **MY2IN-GS** MY2IN-D2-GS **MY2IN-CR-GS**







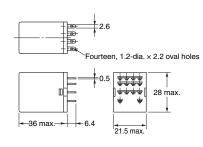
Terminal Arrangement/Internal Connections (Bottom View)

MY2-GS		MY2□N-GS		MY2□N-D2-GS		MY2□N-CR-GS
Standard Models	AC Models	DC Models (except 220 VDC)	DC Models (for 220 VDC)	DC Models (except 220 VDC)	DC Models (for 220 VDC)	AC Models
5 9 112	1 4 8 8 12 12 13 14 14	1 4 8 8 9 12 12 13 14 14	5 9 112 13 14	5 8 12 12 13 14 14 14 14 14 14 14 14 14 14 14 14 14	5 8 8 12 12 13 14 14 14 14 14 14 14 14 14 14 14 14 14	5 8 12 12 13 14 14 14 14 14 14 14 14 14 14 14 14 14
(The coil has no polarity.)	(The coil has no polarity.)	(The coil has polarity.)	(The coil has polarity.)	(The coil has polarity.)	(The coil has polarity.)	(The coil has no polarity.)

- Note: 1. An AC model has coil disconnection self-diagnosis.
  - 2. For the DC models, check the coil polarity when wiring and wire all connections correctly.
  - 3. The indicator is red for AC and green for DC.
  - 4. The LED operation indicators indicate the energization of the coil and do not necessarily represent contact operation.

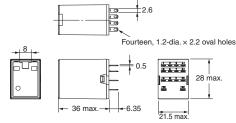






#### **MY4IN-GS** MY4IN-D2-GS **MY4IN-CR-GS**





Terminal Arrangement/Internal Connections(Bottom View)

MY4-GS	MY4□N-GS			MY4□N-D2-GS		MY4□N-CR-GS
Standard Models	AC Models	DC Models (except 220 VDC)	DC Models (for 220 VDC)	DC Models (except 220 VDC)	DC Models (for 220 VDC)	DC Models
1 2 3 4 5 6 7 8 9 10 11 12	1 2 3 4 5 6 7 8 9 10 11 12	1 2 3 4 5 6 7 8 9 10 11 12	5 6 7 8 9 10 11 12 13 14	1 2 3 4 8 7 8 9 10 11 12 13 14	1 2 3 4 5 6 7 8 9 10 11 12	1 2 3 4 5 6 2 8 9 10 11 12
(The coil has no polarity.)	(The coil has no polarity.)	(The coil has polarity.)	(The coil has polarity.)	(The coil has polarity.)	(The coil has polarity.)	(The coil has no polarity.)

- Note: 1. An AC model has coil disconnection self-diagnosis.
  - 2. For the DC models, check the coil polarity when wiring and wire all connections correctly.
  - 3. The indicator is red for AC and green for DC.
  - 4. The LED operation indicators indicate the energization of the coil and do not necessarily represent contact operation.

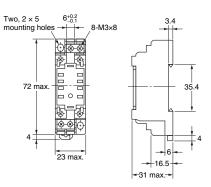
## **Options (Order Separately)**

## **Connection Sockets**

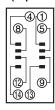
**Front-mounting Sockets** 

#### PYF08A-E

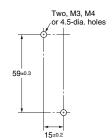




#### Terminal Arrangement/ Internal Connections (Top View)



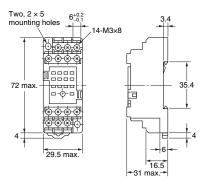
#### Mounting Hole Dimensions (Top View)



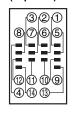
Note: Mounts to DIN Track.

#### PYF14A-E

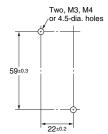




Terminal Arrangement/ Internal Connections (Top View)

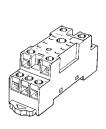


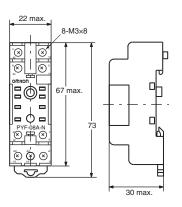
#### Mounting Hole Dimensions (Top View)



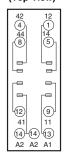
Note: Mounts to DIN Track.

#### PYF08A-N

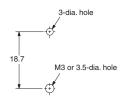




Terminal Arrangement/ Internal Connections (Top View)

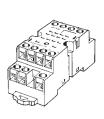


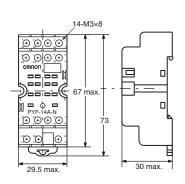
#### Mounting Hole Dimensions (Top View)



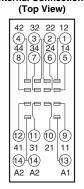
Note: Mounts to DIN Track.

## PYF14A-N

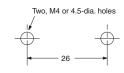




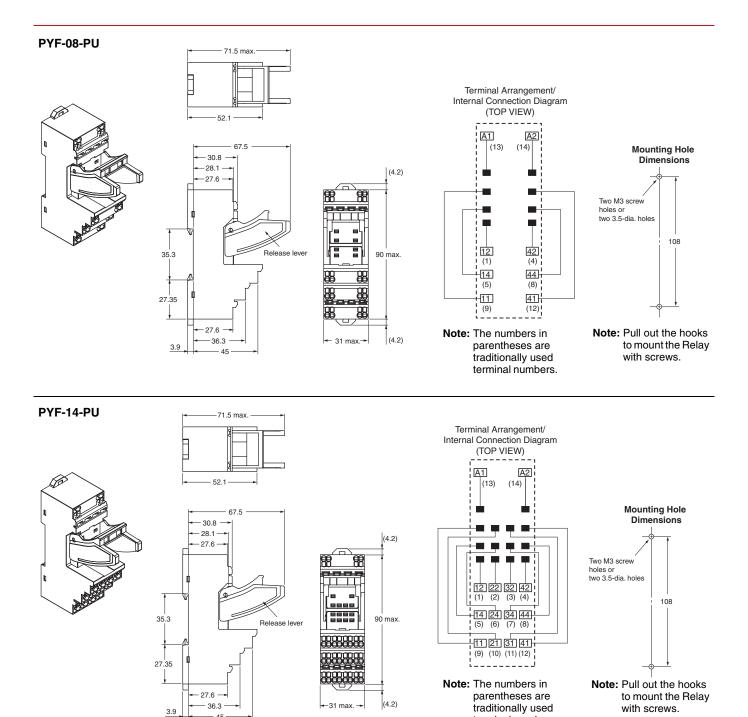
Terminal Arrangement/ Internal Connections



#### Mounting Hole Dimensions (Top View)



Note: Mounts to DIN Track.



- 45

terminal numbers.

### **Back-mounting Sockets**

#### PY08-02



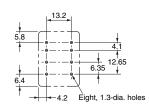




#### Terminal Arrangement/ Internal Connections (Bottom View)



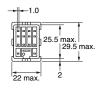
## PCB Processing Dimensions



PY14-02



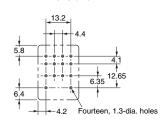




Terminal Arrangement/ Internal Connections (Bottom View)



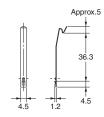
PCB Processing Dimensions



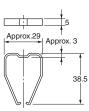
## **Socket Accessories**

# Hold-down Clips PYC-A1

Set of 2 clips

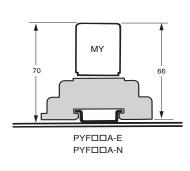


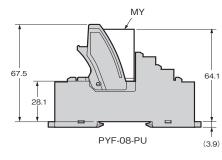


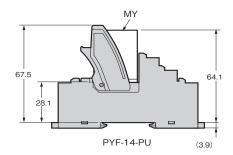


# Mounting Heights with Sockets (Unit: mm)

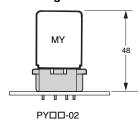
## **Front-mounting Sockets**







## **Back-mounting Sockets**



## **Safety Precautions**

Refer to the *Common Relay Precautions* for precautions that apply to all Relays in the website at the following URL: http://www.ia.omron.com/.

#### **Precautions for Correct Use**

#### Handling

For models with built-in LED operation indicators, check the coil polarity when wiring and wire all connections correctly. (DC operation).

#### Installation

There is no specifically required installation orientation, but make sure that the Relays are installed so that the contacts are not subjected to vibration or shock in their movement direction.

# Using MY-GS Relays with Microloads with Infrequent Operation

If standard MYGS Relays are used to infrequently switch microloads, the contacts may become unstable and eventually result in poor contact. In this case, we recommend using the MY4Z-CBG Series, which has high contact reliability for microloads

#### **Relay Replacement**

To replace the Relay, turn OFF the power supply to the load and Relay coil sides to prevent unintended operation and possible electrical shock

### **Applicable Sockets**

Use only combinations of OMRON Relays and Sockets.

#### **Latching Levers**

- Turn OFF the power supply when operating the latching lever.
   After you use the latching lever always return it to its original state.
- Do not use the latching lever as a switch.
- The latching lever can be used for 100 operations min.