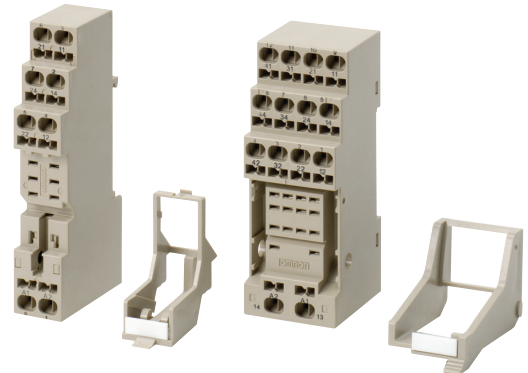


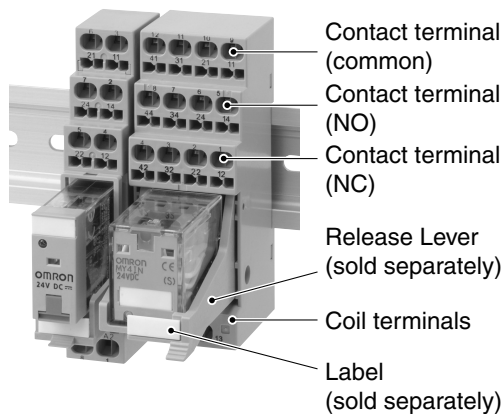
## New Screwless Terminal Sockets Added for MY and G2R Relays.

- Simplified wiring without tightening screws.
- Two wires can be independently wired for each terminal.
- Coil terminals and contact terminals are completely separated in an organized wiring layout.
- Release Levers and Labels are available (sold separately).

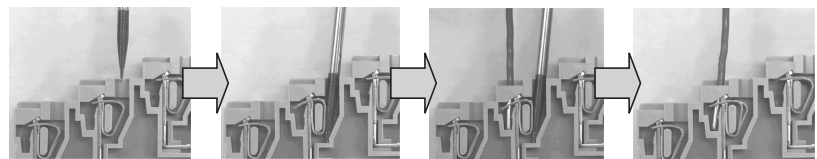


## Features

### Structured for Easy Wiring



### Complete Wiring in Three Steps



Insert a screwdriver.      Screwdriver inserted.      Insert the wire.      Remove screwdriver to complete wiring.

- A spring holds the wire in place to reduce wiring work by 30% (according to OMRON comparison) and eliminates the need to manage torque.
- DIN terminal numbers also indicated.

## Ordering Information

### Sockets

Applicable model (typical example)	Socket
	Model
MY2	PYF08S
MY4	PYF14S
G2R-1-S	P2RF-05-S
G2R-2-S	P2RF-08-S

### Options (Order Separately)

Applicable Socket	Release Bar	Labels	Short Bars with Red Insulation	Short Bars with Blue Insulation
	Model	Model	Model	Model
PYF08S	PYCM-08S	R99-11	PYDM-08SR	PYDM-08SB
PYF14S	PYCM-14S		PYDM-14SR	PYDM-14SB
P2RF-05-S	P2CM-S		P2RM-SR	P2RM-SB
P2RF-08-S				

**Note:** Pieces per Package  
 Labels: 100  
 Short Bars: 50

## Ratings/Characteristics

### Characteristics

#### Sockets

##### PYF□□S

Item	Model	PYF08S	PYF14S
Ambient operating temperature		-55 to 70°C	
Ambient operating humidity		5% to 85%	
Continuous carry current*		10 A	5 A
Dielectric strength	Between contact terminals of same polarity	2,000 VAC, 1 min	2,000 VAC, 1 min
	Between contact terminals of different polarity	2,000 VAC, 1 min	2,000 VAC, 1 min
	Between coil and contact terminals	2,000 VAC, 1 min	2,000 VAC, 1 min
Insulation resistance		1,000 MΩ min.	
Weight (approx.)		46 g	62 g

\* The continuous carry current of 10 A for the PYF08S is for an ambient temperature of 55°C. At an ambient temperature of 70°C, the value is 7 A.

##### P2RF-□□-S

Item	Model	P2RF-05-S	P2RF-08-S
Ambient operating temperature		-40 to 70°C	
Ambient operating humidity		5% to 85%	
Continuous carry current		10 A	5 A
Dielectric strength	Between contact terminals of same polarity	1,000 VAC, 1 min	1,000 VAC, 1 min
	Between contact terminals of different polarity	---	3,000 VAC, 1 min
	Between coil and contact terminals	4,000 VAC, 1 min	4,000 VAC, 1 min
Insulation resistance		1,000 MΩ min.	
Weight (approx.)		36 g	40 g

#### Socket Accessories

##### Short Bars

Application	Applicable sockets	Model	Maximum carry current	Ambient operating temperature	Ambient operating humidity
For Coil terminals	PYF08S	PYDM-08S□	10 A	-40 to 70°C	5% to 85%
	PYF14S	PYDM-14S□	10 A	-40 to 70°C	5% to 85%

### Ratings for Safety Standard Certification

#### PYF□□S

Standard	File No.
VDE0627 (EN61984)	Certificate No. 40015509
UL508 (UL1059)	E87929 Vol.3
CSA C22.2 No.14 (CSA C22.2 No.158)	LR31928

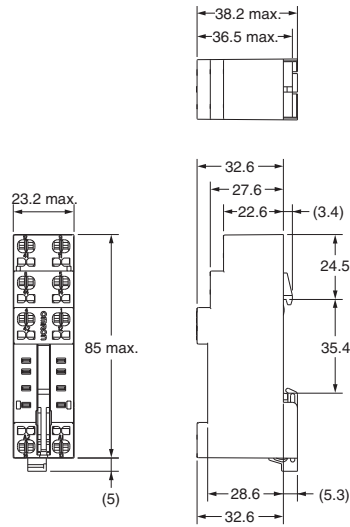
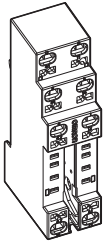
#### P2RF-□□-S

Standard	File No.
VDE0627 (EN61984)	Certificate No. 40002313
UL508 (UL1059)	E87929 Vol.3
CSA C22.2 No.14 (CSA C22.2 No.158)	LR31928

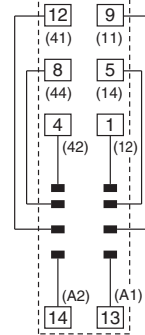
# Dimensions

## Sockets

### PYF08S

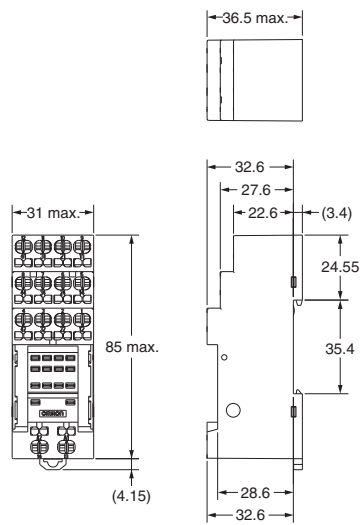
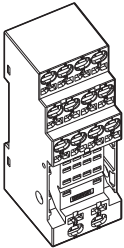


Terminal Arrangement/  
Internal Connection Diagram  
(Top View)

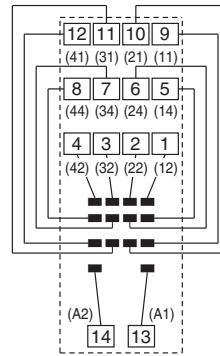


Note: Figures in parentheses indicate DIN standard numbers.

### PYF14S

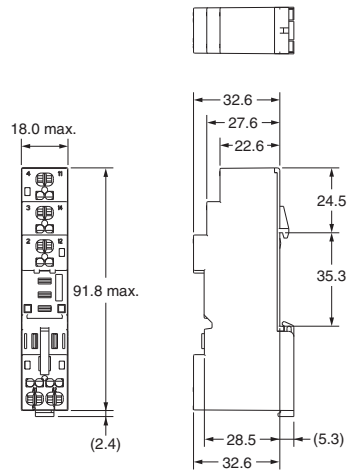
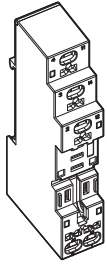


Terminal Arrangement/  
Internal Connection Diagram  
(Top View)

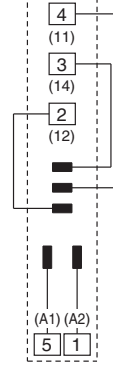


Note: Figures in parentheses indicate DIN standard numbers.

P2RF-05-S

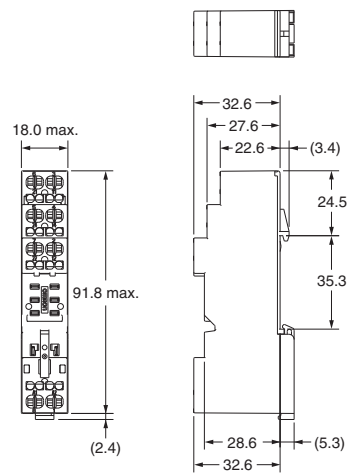
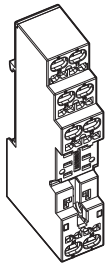


Terminal Arrangement/  
Internal Connection Diagram  
(Top View)

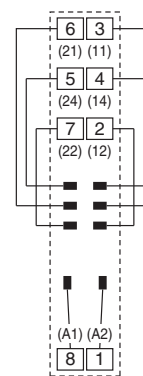


Note: Figures in parentheses indicate DIN standard numbers.

P2RF-08-S



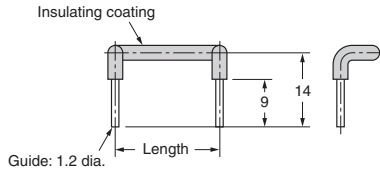
Terminal Arrangement/  
Internal Connection Diagram  
(Top View)



Note: Figures in parentheses indicate DIN standard numbers.

## Accessories (Order Separately)

### Short Bars

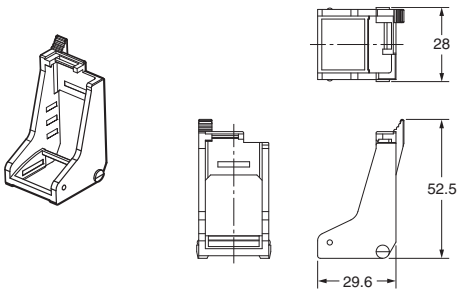


Applicable Sockets	Model	Length (mm)	Insulation color
PYF08S	PYDM-08SR	19.7	Red
	PYDM-08SB		Blue
PYF14S	PYDM-14SR	27.5	Red
	PYDM-14SB		Blue
P2RF-□□-S	P2RM-SR	14.3	Red
	P2RM-SB		Blue

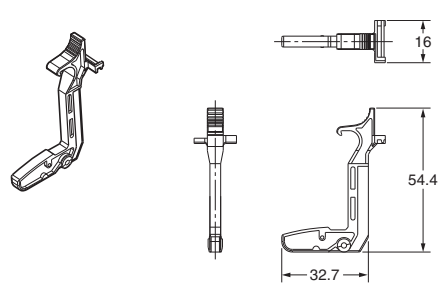
Note: Use the Socket Bridges for relay coil bridge wiring.

### Release Levers

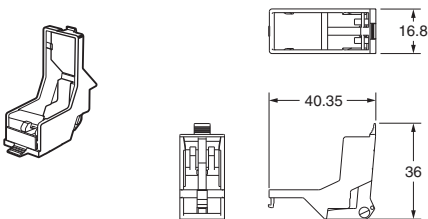
#### PYCM-14S



#### PYCM-08S

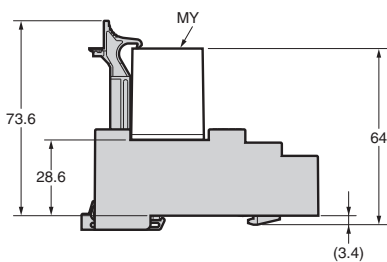


#### P2CM-S

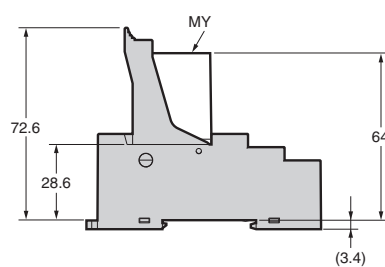


### Mounting Heights

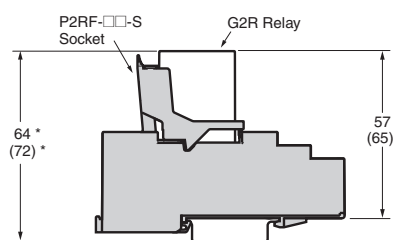
#### PYF08S



#### PYF14S



#### P2RF-□□-S



Figures of height in ( ) is with G2R Relays with Latching Levers. Values indicated with asterisks are for when using a PFP-N Track. The values increase by approximately 9 mm when using a PFP-N Track.

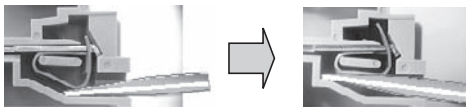
## Safety Precautions

### Precautions for Safe Use

- Do not move the screwdriver up, down, or from side to side or rotate it while it is inserted in the hole. Doing so may damage internal components in the Socket.

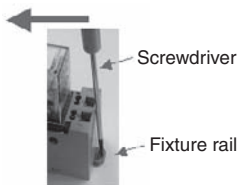


- Do not insert more than one wire into the same hole. Doing so may cause abnormal heating.
- There are two internally connected wiring holes for each terminal.
- Insert the screwdriver along the hole wall as shown below.



Screwdriver

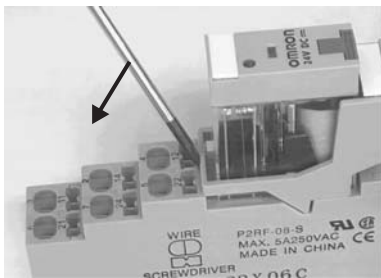
- When you remove a Socket from a support rail, insert the end of a screwdriver into the fixture and move the screwdriver as shown by the arrow in the following figure.



Screwdriver

Fixture rail

- When you use a Release Lever to remove a Relay from a P2RF-□□-S Socket, insert a screwdriver at the location shown in the following figure and move the Release Lever in the direction indicated by the arrow to release the lock on the release lever.

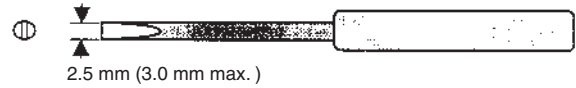


### Precautions for Correct Use

#### Wiring Tools

##### Applicable Screwdriver

Use a flat-blade screwdriver with a tip that is 2.5 mm wide (3.0 mm max.).



You cannot use a screwdriver with a thick shaft.

Applicable Screwdriver (Example)  
VESSEL No.9900 – (–) 2.5 × 75

##### Applicable Wires

- You can use either solid wires or stranded wires. Applicable wire size: 0.2 to 1.5 mm<sup>2</sup> (AWG24 to AWG16)
- Strip 8 to 9 mm of insulation from the ends of the wires.

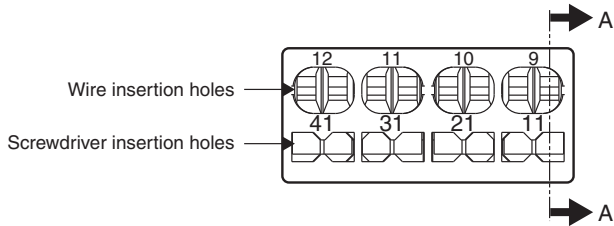


- If you insert stranded wires without ferrules, make sure that the wires are twisted when you insert them.
- If you use bare ferrules, always attach insulating sleeves.
- If you insert a wire with a sheath outer diameter of 2.2 mm or less, do not insert the wire far enough so that the sheath is engaged inside the hole, as shown below.

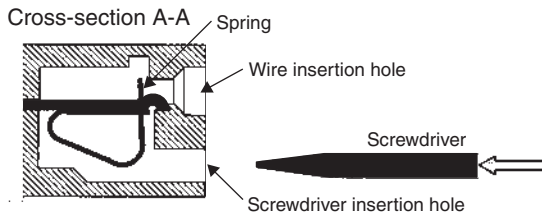


- Two wires with a sheath outer diameter of 3.2 mm or larger cannot be inserted for the same terminal at the same time.
- Use heat-shrinking tubes to indicate wire numbers.

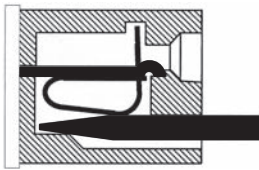
## Wiring



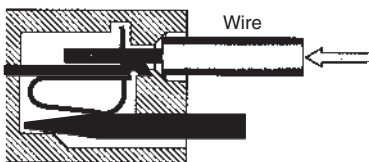
- (1) Insert a screwdriver into a screwdriver insertion hole on the Socket.



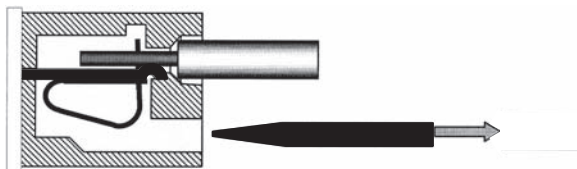
- (2) Press the screwdriver in until it reaches the stopper inside the Socket. The spring at the back of the wire insertion hole will be completely open in this condition. The screwdriver will be held in place even if you remove your hand.



- (3) With the screwdriver held in place, insert the wire or ferrule into the wire insertion hole.



- (4) Remove the screwdriver. The spring will hold the wire. This concludes the connection procedure.



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