

Sockets with Push-In Plus technology

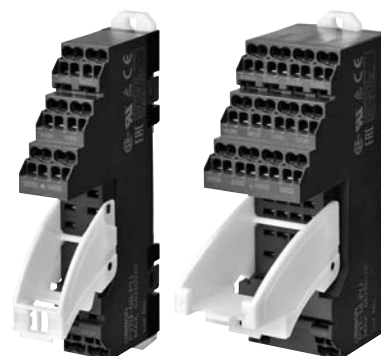
PYF-□□-PU/P2RF-□□-PU

Sockets with Push-In Plus technology to Save Work Added to Series for MY and G2R-S Relays



- Sockets with Push-In Plus technology are used to save wiring work in comparison with traditional screw terminals. (Wiring time is reduced by 60%* in comparison with traditional screw terminals.)
- No screw loosening means maintenance-free application.
- Light insertion force and strong pull-out strength to achieve both less wiring work and high reliability.
- 'Hand-free' structure that holds an inserted screwdriver to achieve easier wiring work for stranded wires.
- Two wires can be independently inserted into each terminal hole.
- DIN Track mounting or screw mounting.

* According to OMRON actual measurement data from November 2015.



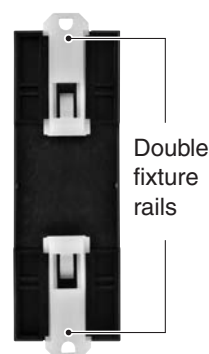
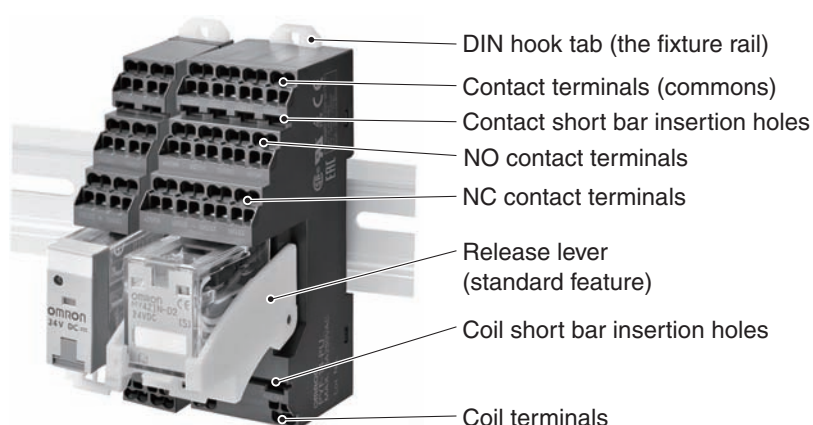
For the most recent information on models that have been certified for safety standards, refer to your OMRON website.



Refer to *Safety Precautions* on page 7.

Features

- Coil terminals and contact terminals are completely separated in an organized wiring layout.
- A Release Lever is provided as a standard feature.
- DIN terminal numbers are indicated.
- The double fixture rail with DIN hook tabs attached to the top and bottom lets you mount the Socket from either the top or bottom.
- Front-in short bar enables easy installation without interference in duct when wiring.
- Please refer short bar correspondence table in page 6 for further information of short bar.
- There are screw mounting holes in the DIN hooks on the PYF-□□-PU and P2RF-□□-PU. Pull out the DIN hook tabs to mount the Sockets with screws.



Back of Push-In Plus Terminal Block Socket

The fixture rails can be pulled out to mount the Relays with screws.



PYF-PU/P2RF-PU

Ordering Information

Sockets

PYF Series

Applicable model (typical example)			Socket	
			No. of poles	Model *
General Purpose Relays	MY Series	MY2 MY2IN(S)	2	PYF-08-PU
		MY4 MY4H MYQ4 MY4(S) MY2K	4	PYF-14-PU
SSR	G3FM Series	G3FM	1	PYF-08-PU
	G3F/G3FD Series	G3F		
		G3FD		
Timers	H3Y Series	H3Y(N)-2-B	2	PYF-08-PU-L
	H3YN Series	H3Y(N)-4-B	4	PYF-14-PU-L

* The PYF-PU-L Sockets do not have release levers.

P2RF Series

Applicable model (typical example)			Socket	
			No. of poles	Model
General Purpose Relays	G2R-S (S) Series	G2R-1-S (S)	1	P2RF-05-PU
SSR	G3R-I/O Series	G3R		
	G3RZ Series	G3RZ		
Timers	H3RN Series	H3RN-1-B		
General Purpose Relays	G2R-S (S) Series	G2R-2-S (S)	2	P2RF-08-PU
Timers	H3RN Series	H3RN-2-B		
Liquid Leakage Sensors	K7L Series	K7L-B		

Accessories (Order Separately)

Short Bars

Pitch	Applicable models	No. of poles	Colors	Model *	Minimum order (quantity)
7.75 mm	PYF-PU and P2RF-PU	2	Red (R) Blue (S) Yellow (Y)	PYDN-7.75-020	10
		3		PYDN-7.75-030	
		4		PYDN-7.75-040	
		20		PYDN-7.75-200	
31.0 mm	PYF-PU	8		PYDN-31.0-080	
15.5 mm	P2RF-PU	8		PYDN-15.5-080	

Note: Use the Short Bars for crossover wiring within one Socket or between Sockets.

* Replace the box () in the model number with the code for the covering color.

Labels

Applicable models	Model	Manufacturer	Minimum order (Box) (quantity per Box)
PYF-PU and P2RF-PU	MG-CPM-04 41390N	Cembre	1,680 (35 sheet/48 pieces)

Note: PRINTER: MARKINGENIUS MG3 (Ask to your Omron contact for more details on printers)

Parts for DIN Track Mounting

Type	Model	Minimum order (quantity)
DIN Tracks	1 m PFP-100N	1
	0.5 m PFP-50N	
End Plate *	PFP-M	10
Spacer	PFP-S	

Refer to your OMRON website for details on the PFP-.

* When mounting DIN rail, please use End Plate (Model PFP-M).

Ratings/Characteristics

Characteristics

Sockets

PYF-□□-PU(-L)

Item	Model	PYF-08-PU (-L)	PYF-14-PU (-L)
Ambient operating temperature		-40 to 70°C	
Ambient operating humidity		5 to 85%	
Continuous carry current *		10 A	6 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. (at 500 VDC)	
Weight (approx.)		80 g	87 g

* The continuous carry current of 10 A for PYF-08-PU(-L) is for an ambient temperature of 55°C. At an ambient temperature of 70°C, the value is 7 A.

P2RF-□□-PU

Item	Model	P2RF-05-PU	P2RF-08-PU
Ambient operating temperature		-40 to 70°C	
Ambient operating humidity		5 to 85%	
Continuous carry current *		10 A	6 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. (at 500 VDC)	
Weight (approx.)		40 g	45 g

* The continuous carry current of 10 A for P2RF-05-PU is for an ambient temperature of 55°C. At an ambient temperature of 70°C, the value is 7 A. The continuous carry current of 6 A for P2RF-08-PU is for an ambient temperature of 55°C. At an ambient temperature of 70°C, the value is 5 A.

Accessories (Order Separately)

Short Bars

Application	Applicable sockets	Model	Maximum carry current	Ambient operating temperature	Ambient operating humidity
For Contact terminals (common)	PYF-08-PU(-L) PYF-14PU(-L) P2RF-05-PU P2RF-08-PU	PYDN-7.75-020□	20 A	-40 to 70°C	5 to 85% Rh
		PYDN-7.75-030□			
		PYDN-7.75-040□			
		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
	P2RF-05-PU P2RF-08-PU	PYDN-15.5-080□	20 A	-40 to 70°C	5 to 85% Rh

Approved Standards

CSA certification (File No. LR031928)

Model	Ratings	Class No.	Standard No.
PYF-08-PU	10 A 250 V	3211 07	CSA C22.2 No14
PYF-14-PU	6 A 250 V *		

* When power is supplied to all four poles, use with a total power current that does not exceed 20 A.

UL standard certification (File No. E87929)

Model	Ratings	Standard No.	Category	Listed/ Recognized
PYF-08-PU	10 A 250 V	UL508	SWIV2	Recognized
PYF-14-PU	6 A 250 V *			

* When power is supplied to all four poles, use with a total power current that does not exceed 20 A.

TÜV Rheinland certification

Model	Ratings	Standard No.	Certification No.
PYF-08-PU	10 A 250 V *	EN 61984	R50327595
PYF-14-PU	6 A 250 V		

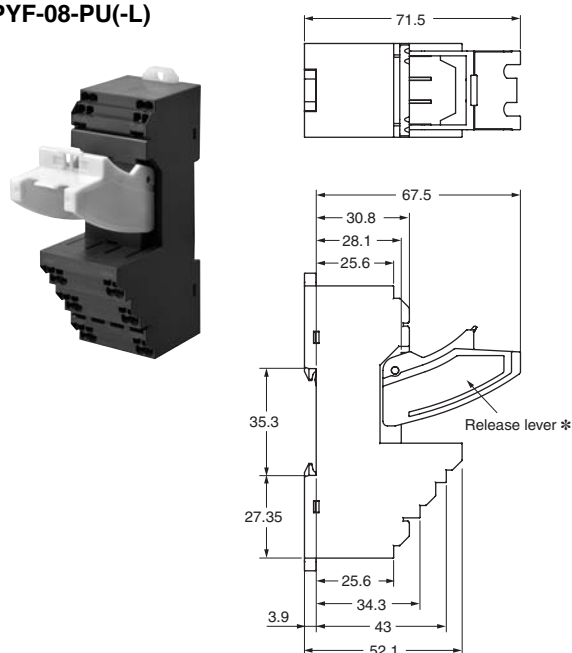
* Ratings are for an ambient temperature of 55°C. At an ambient temperature of 70°C, the value is 7 A.

Dimensions

(Unit: mm)

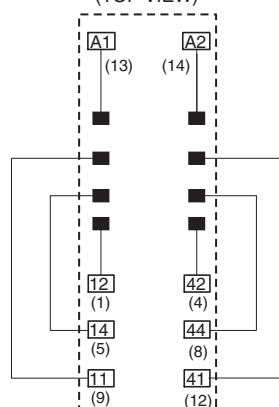
Sockets

PYF-08-PU(-L)



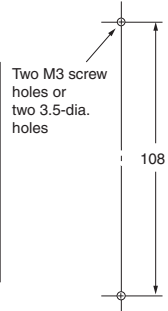
* The PYF-08-PU-L Sockets do not have release levers.

Terminal Arrangement/
Internal Connection Diagram
(TOP VIEW)



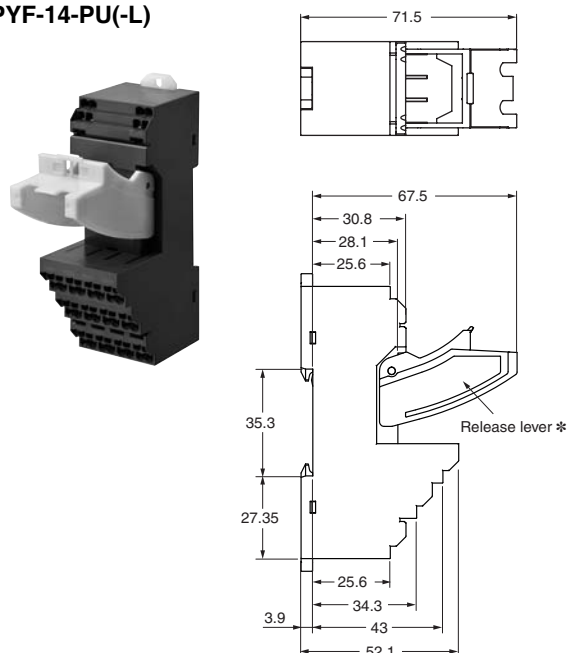
Note: The numbers in parentheses are traditionally used terminal numbers.

Mounting Hole
Dimensions



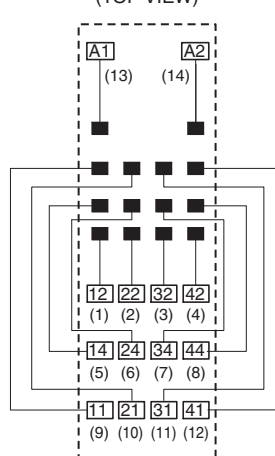
Note: Pull out the hooks to mount the Socket with screws.

PYF-14-PU(-L)



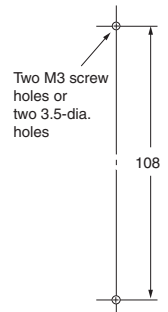
* The PYF-14-PU-L Sockets do not have release levers.

Terminal Arrangement/
Internal Connection Diagram
(TOP VIEW)



Note: The numbers in parentheses are traditionally used terminal numbers.

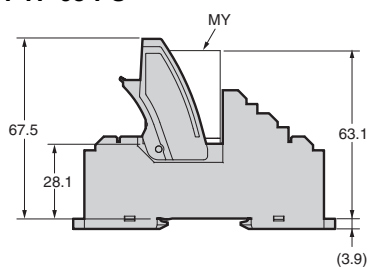
Mounting Hole
Dimensions



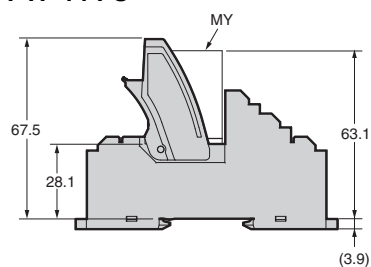
Note: Pull out the hooks to mount the Socket with screws.

Mounting Heights

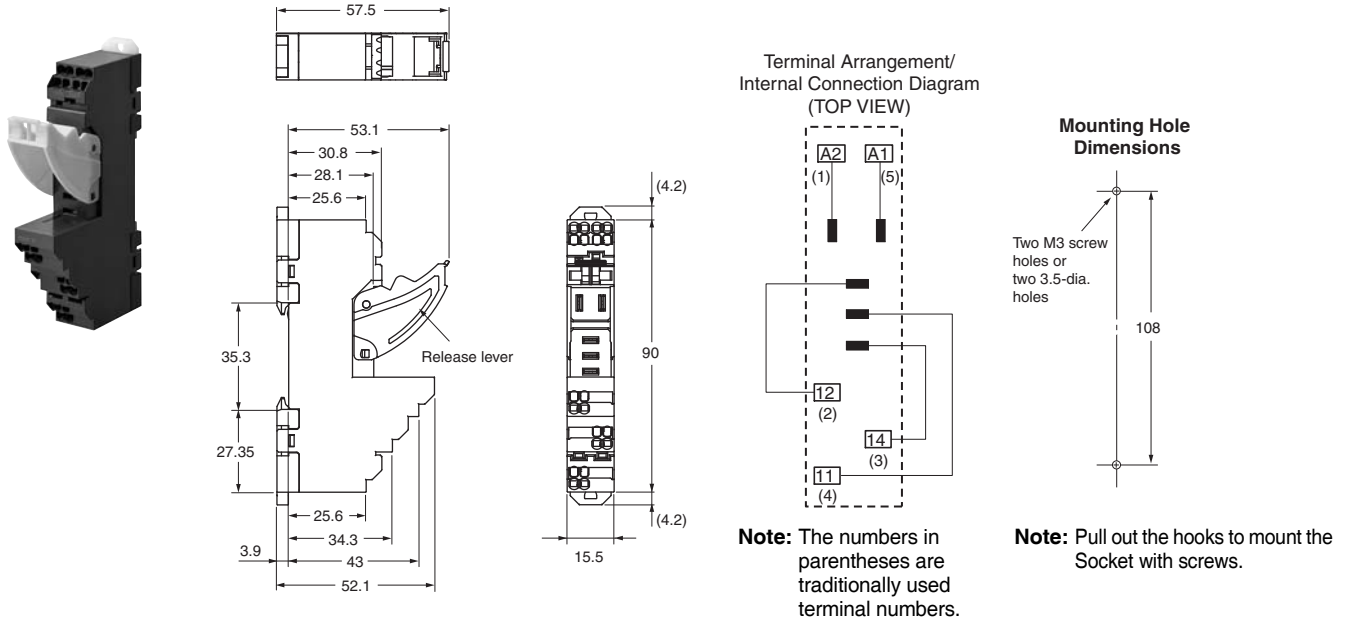
PYF-08-PU



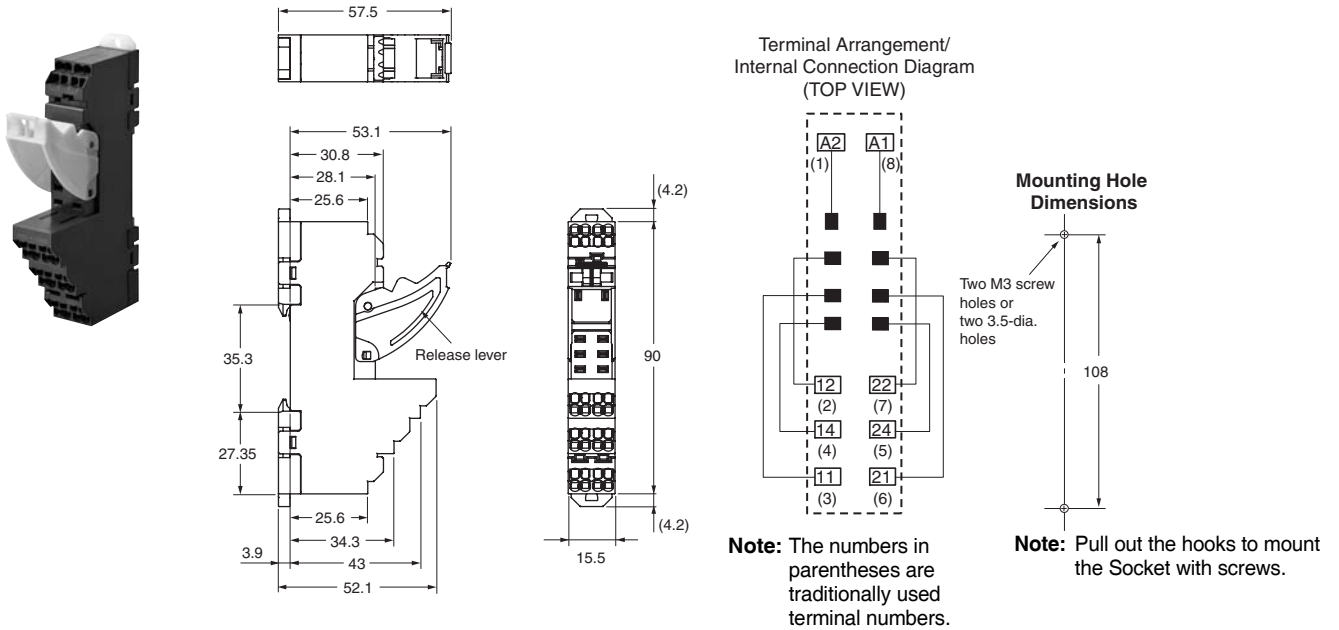
PYF-14-PU



P2RF-05-PU

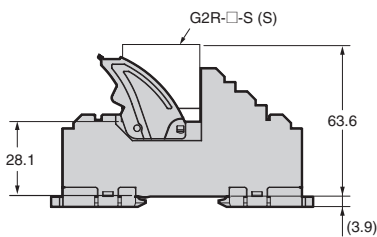


P2RF-08-PU



Mounting Heights

P2RF-05-PU



P2RF-08-PU

