OMRON

Sockets with Push-In Plus technology

PYF-□□-PU/PTF-□□-PU/P2RF-□□-PU

Sockets with Push-In Plus technology to Save Work Added to Series for MY, LY 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.
- Each terminal includes two wiring holes and can be used for crossover wiring.
- DIN Track mounting or screw mounting.

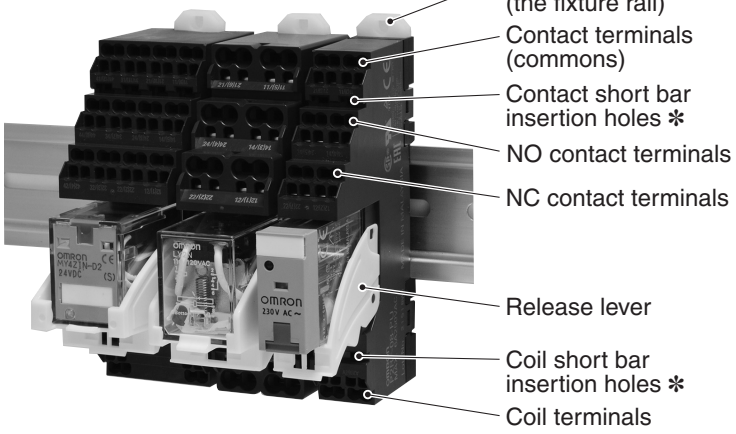
✻ According to OMRON actual measurement data from November 2015.

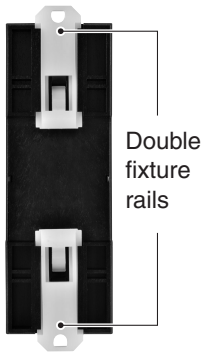
⚠ Refer to *Safety Precautions* on page 10.

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

Features

- Coil terminals and contact terminals are completely separated in an organized wiring layout.
- A Release Lever is provided as a standard feature. (except -L models)
- 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.
- One-touch Installation onto DIN-track.
- Front-in short bar enables easy installation without interference in duct when wiring.
- Please refer short bar correspondence table in page 9 for further information of short bar.
- There are screw mounting holes in the DIN hooks on the PYF-□□-PU, PTF-□□-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.

✻ The PTF-□□-PU Sockets do not have short bar insertion holes.

Ordering Information

Sockets

PYF Series

Applicable model (typical example)			No. of poles	Socket
				Model ✻1
General Purpose Relays	MY Series	MY2□ MY2IN(S)	2	**PYF-08-PU**
		MY4□ MY4H MYQ4□ MY4□(S) MY2K	4	**PYF-14-PU**
		MY2(N)-CR AC24 MY2Z(N)-CR	2	**PYF-08-PU-L ✻2**
		MY4(N)-CR AC24 MY4N-CR AC115 MY4ZN-CBG-CR	4	**PYF-14-PU-L ✻2**
SSR	G3FM Series	G3FM	1	**PYF-08-PU**
	G3F/G3FD Series	G3F		
		G3FD		
Timers	H3Y Series H3YN Series	H3Y(N)-2-B	2	**PYF-08-PU-L**
		H3Y(N)-4-B	4	**PYF-14-PU-L**

✻**1.** The PYF-□□-PU-L Sockets do not have release levers.
✻**2.** Use with the hold-down clip (Y92H-3).

PTF Series

Applicable model (typical example)			No. of poles	Socket
				Model ✻
General Purpose Relays	LY Series	LY2□	2	**PTF-08-PU**
		LY2□-CR		**PTF-08-PU-L**
		LY4□	4	**PTF-14-PU-L**
SSR	G3H Series	G3H	1	**PTF-08-PU**
		G3HD		
	G9H Series **Note:** Hybrid Power Relay	G9H		
Temperature Controller	E5L	E5L-A □ E5L-C □	---	**PTF-14-PU-L**

✻ The PTF-□□-PU-L Sockets do not have release levers.

P2RF Series

Applicable model (typical example)			No. of poles	Socket
				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□**	
15.5 mm	P2RF-□□-PU	8		**PYDN-15.5-080□**	
31.0 mm	PYF-□□-PU	8		**PYDN-31.0-080□**	

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/ PTF-□□-PU/ 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)

Hold-down Clip

Applicable models (Combinations)	Model	Minimum order (quantity)
PYF-08-PU-L H3Y(N)-2-B	**Y92H-3**	10
PYF-14-PU-L H3Y(N)-4-B		
PTF-08-PU-L LY2□-CR		
PTF-14-PU-L LY4□	**PYC-A1**	100
PTF-14-PU-L E5L	**Y92H-10 ✻**	1

✻ Included with the E5L unit.
If you lose or damage the hold-down clip (Y92H-10), order it separately.

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**	

✻ 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%	
Rated 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.

PTF-□□-PU(-L)

Item	Model	PTF-08-PU (-L)	PTF-14-PU-L
Ambient operating temperature		-40 to 70°C	
Ambient operating humidity		5 to 85%	
Rated carry current ✻		10 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.)		65 g	100 g

✻ The continuous carry current of 10 A for PTF-08-PU(-L) 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 10 A for PTF-14-PU-L is for an ambient temperature of 40°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%	
Rated 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-14-PU(-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	P2RF-05-PU P2RF-08-PU	PYDN-15.5-080□	20 A	-40 to 70°C	5 to 85% Rh
	PYF-08-PU(-L) PYF-14-PU(-L)	PYDN-31.0-080□			

Approved Standards

CSA certification (File No. LR031928)

Model	Ratings	Class No.	Standard No.
PYF-08-PU (-L) PTF-08-PU (-L) P2RF-05-PU	10 A 250 V	3211 07	CSA C22.2 No14
PYF-14-PU (-L)	6A 250V ✻		
PTF-14-PU (-L)	10 A 250 V (Same polarity)		
P2RF-08-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 (-L) PTF-08-PU (-L) P2RF-05-PU	10 A 250 V	UL508	SWIV2	Recognized
PYF-14-PU (-L)	6 A 250 V ✻			
PTF-14-PU (-L)	10 A 250 V (Same polarity)			
P2RF-08-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 (-L) PTF-08-PU (-L) P2RF-05-PU	10 A 250 V ✻1	EN 61984	R50327595
PYF-14-PU (-L)	6 A 250 V		
PTF-14-PU (-L)	10 A 250 V ✻2		
P2RF-08-PU	6 A 250 V ✻3		

✻1. Ratings are for an ambient temperature of 55°C. At an ambient temperature of 70°C, the value is 7 A.
✻2. Ratings are for an ambient temperature of 40°C. At an ambient temperature of 70°C, the value is 7 A.
✻3. Ratings are for an ambient temperature of 55°C. At an ambient temperature of 70°C, the value is 5 A.

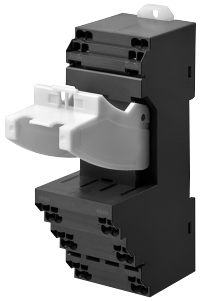
PYF-□□-PU/PTF-□□-PU/P2RF-□□-PU

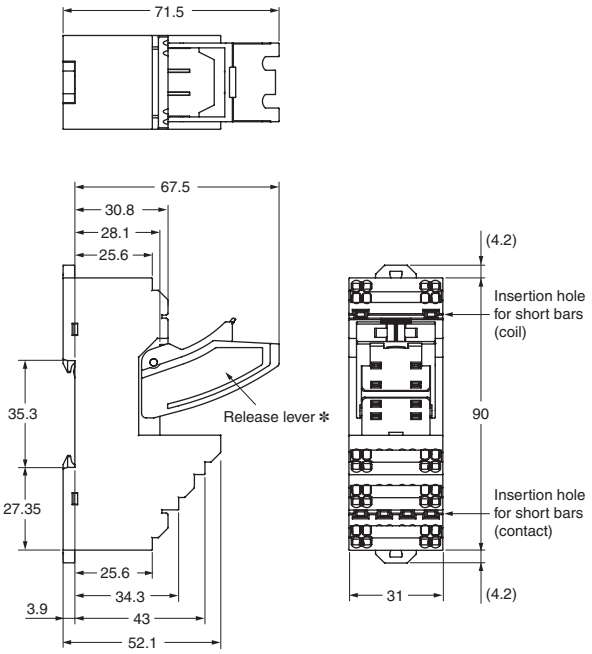
Dimensions

(Unit: mm)

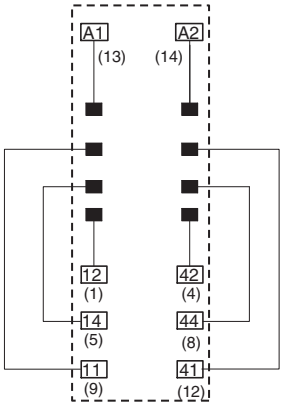
Sockets

PYF-08-PU(-L)



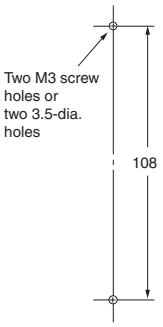


Terminal Arrangement/ Internal Connection Diagram (TOP VIEW)



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

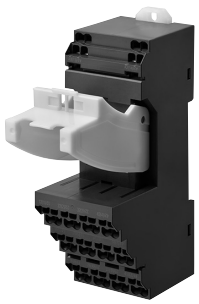
Mounting Hole Dimensions

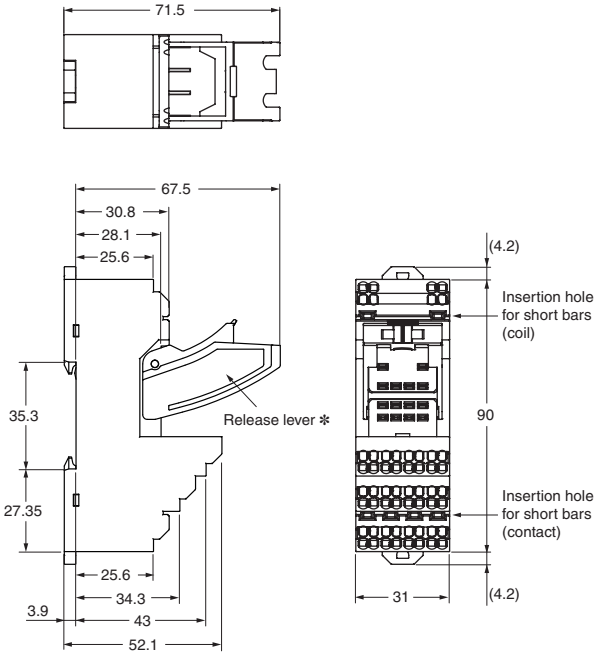


Note: Pull out the hooks to mount the Socket with screws.

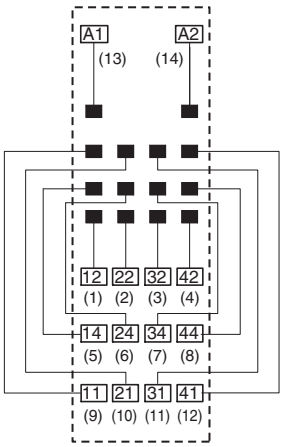
✻ The PYF-08-PU-L Sockets do not have release levers.

PYF-14-PU(-L)



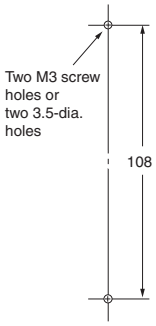


Terminal Arrangement/ Internal Connection Diagram (TOP VIEW)



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

Mounting Hole Dimensions

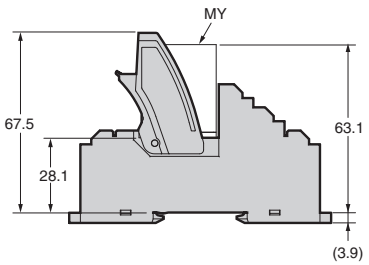


Note: Pull out the hooks to mount the Socket with screws.

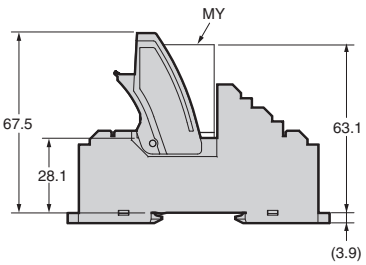
✻ The PYF-14-PU-L Sockets do not have release levers.

Mounting Heights

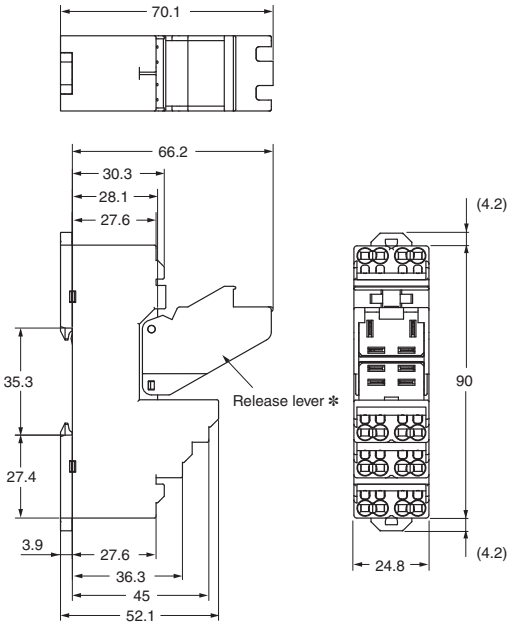
PYF-08-PU



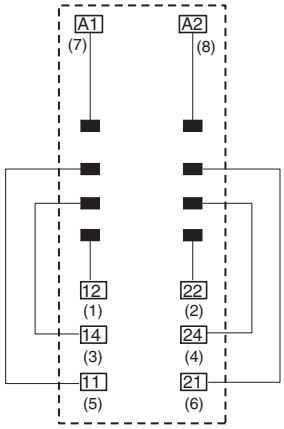
PYF-14-PU



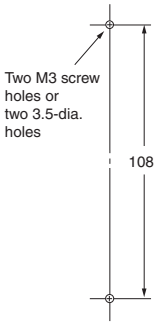
PTF-08-PU (-L)



Terminal Arrangement/
Internal Connection Diagram
(TOP VIEW)



Mounting Hole Dimensions



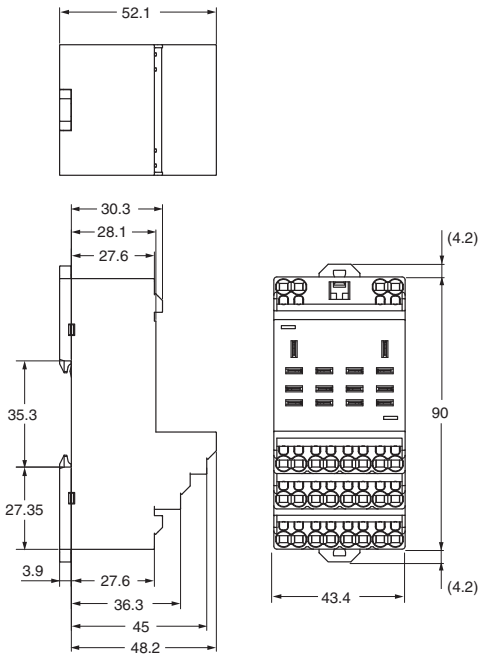
Note: When you apply a minimum of 10 A of current to an LY1 when it is used in combination with the PTF-08-PU(-L), connect each of the following terminal pairs: (1) to (2), (3) to (4), and (5) to (6).

✻ The PTF-08-PU-L Sockets do not have release levers.

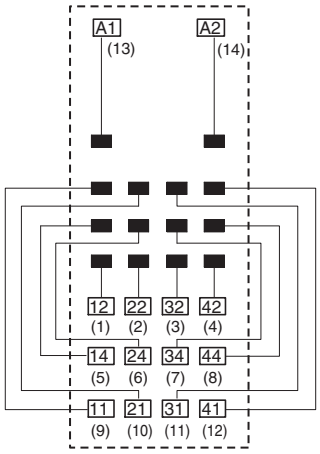
Note: The numbers in parentheses are traditionally used terminal numbers.

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

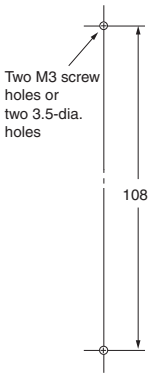
PTF-14-PU-L



Terminal Arrangement/
Internal Connection Diagram
(TOP VIEW)



Mounting Hole Dimensions

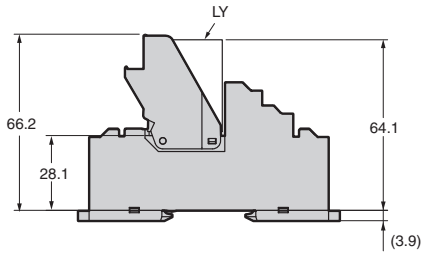


Note: The numbers in parentheses are traditionally used terminal numbers.

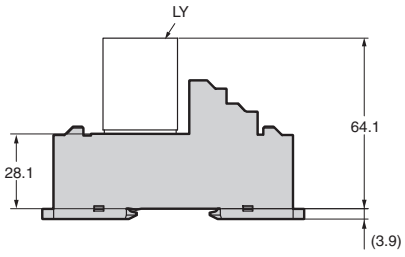
Note: Pull out the hooks to mount the Socket with screws.

Mounting Heights

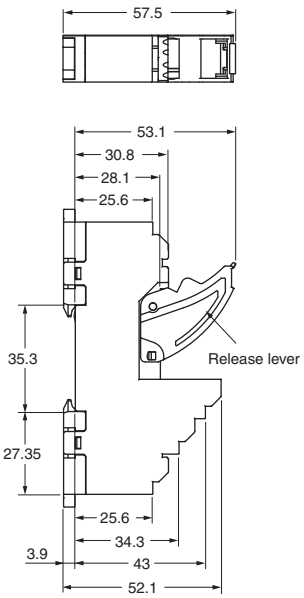
PTF-08-PU

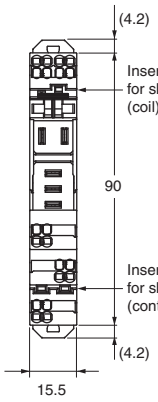


PTF-14-PU-L

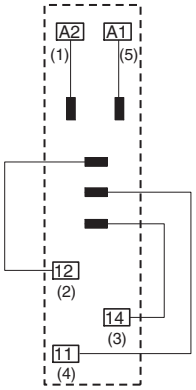


P2RF-05-PU



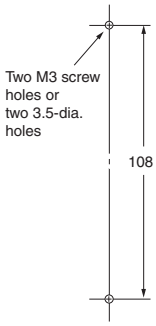


Terminal Arrangement/
Internal Connection Diagram
(TOP VIEW)



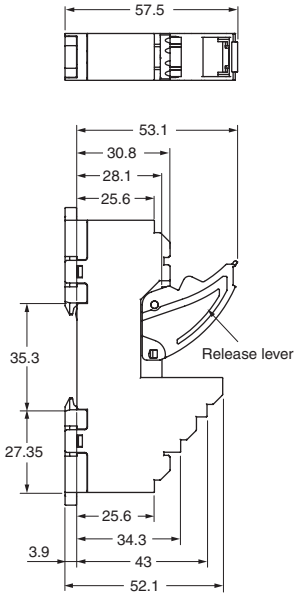
Note: 1. The numbers in parentheses are traditionally used terminal numbers.
2. Insert the short bar into only the A1 or A2 side.
3. Contact terminal crossover will result in functionality only on the No. 11 terminal side. The insertion hole on the No. 14 terminal side is a dummy hole for installing a short bar without bending the pins.

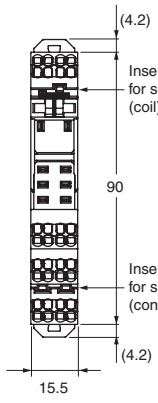
Mounting Hole Dimensions



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

P2RF-08-PU





Terminal Arrangement/
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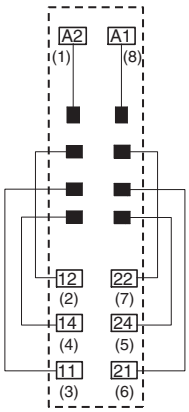
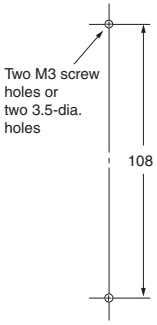
(TOP VIEW)



Note: 1. The numbers in parentheses are traditionally used terminal numbers.
2. Insert the short bar into only the A1 or A2 side.

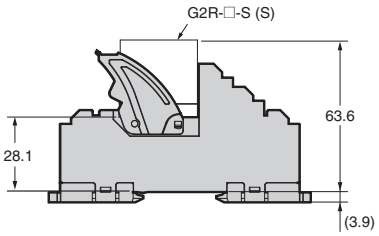
Mounting Hole Dimensions



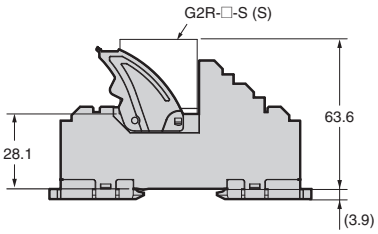
Note: Pull out the hooks to mount the Socket with screws.

Mounting Heights

P2RF-05-PU



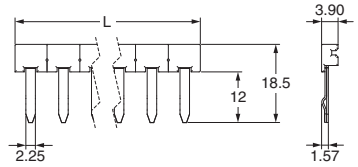
P2RF-08-PU



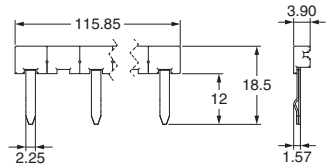
Accessories (Order Separately)

Short Bars

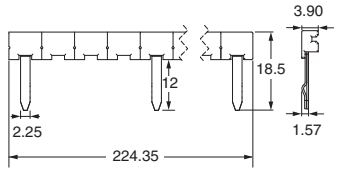
PYDN-7.75-□□ (7.75 mm)



PYDN-15.5-080□ (15.5mm)



PYDN-31.0-080□ (31mm)



Application	Pitch	Applicable sockets	No. of poles	L (Length)	Colors	Model ✻
For Contact terminals (common)	7.75 mm	PYF-□□-PU and P2RF-□□-PU	2	15.1	Red (R) Blue (S) Yellow (Y)	**PYDN-7.75-020□**
			3	22.85		**PYDN-7.75-030□**
			4	30.6		**PYDN-7.75-040□**
			20	154.6		**PYDN-7.75-200□**
For Coil terminals	15.5 mm	P2RF-□□-PU	8	115.85		**PYDN-15.5-080□**
	31 mm	PYF-□□-PU	8	224.35		**PYDN-31.0-080□**

Note: 1. Use the Short Bars for crossover wiring within one Socket or between Sockets.

2. When using short bar to coil terminals of P2RF-□□-PU, make sure to use PYDN-15.5-080□ (15.5 mm).
When using short bar to coil terminals of PYF-□□-PU (-L), make sure to use PYDN-31.0-080□ (31 mm).

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

Parts for DIN Track Mounting

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

Safety Precautions

Be sure to read the *Common Precautions for All Relays* in the website at the following URL: http://www.ia.omron.com/.

Warning Indications

⚠ WARNING	**Indicates a potentially hazardous situation which, if not avoided, will result in minor or moderate injury, or may result in serious injury or death. Additionally there may be significant property damage.**
Precautions for Safe Use	**Supplementary comments on what to do or avoid doing, to use the product safely.**
Precautions for Correct Use	**Supplementary comments on what to do or avoid doing, to prevent failure to operate, malfunction, or undesirable effects on product performance.**

Meaning of Product Safety Symbols

	Used to warn of the risk of electric shock under specific conditions.

⚠ WARNING

Make sure that the Socket does not have an electrical charge before you perform wiring or maintenance work. Electrical shock may occur.

Precautions for Safe Use

Transportation

- Do not use a Socket that has fallen to the floor or ground. The performance of a Socket that has been dropped may be reduced.
- Do not drop the Socket or subject it to abnormal vibration or shock during transportation or mounting. Doing so may result in deterioration of performance, malfunction, or failure.
- Do not transport a Socket when it is not packaged. Damage or failure may occur.

Operating and Storage Environments

- Do not use or store Sockets in the following locations. Doing so may result in deterioration of performance.
  - Locations subject to ambient storage temperatures outside the range • 40 to 70°C
  - Locations subject to relative humidity outside the range 5% to 85%
  - Locations subject to high temperature or high humidity
  - Locations in which condensation may occur due to rapid changes in temperature
- Do not use or store Sockets in environments that contain silicone gas, sulfidizing gas (e.g., SO_2 or H_2S), or organic gas, or near materials that contain silicone. Doing so may cause the contacts to be unstable or to fail.
- Do not use a Socket in a location subject to ultraviolet light (such as a location subject to direct sunlight). Printing may fade, the Socket may rust or corrode, and plastic parts may deteriorate.
- Before you start wiring, make sure that the Socket is securely attached and mounted to a DIN Track. If the Socket is not stable, it may fall and possibly injure a worker.
- Insert the flat-blade screwdriver fully to the bottom of the release hole. If the flat-blade screwdriver is not inserted correctly, the wire may not be connected correctly.
- If there is lubrication, such as oil, on the tip of the flat-blade screwdriver, the flat-blade screwdriver may fall and possibly injure a worker.
- When crossover wiring by wire and short bar, make sure not to insert wrong position, it may cause short circuit, malfunction or failure.
- Avoid using or storing in a location where the unit will be subject to direct vibration or shock. Risk of failure, malfunctioning, or deterioration of performance.

Push-In Plus Terminal Blocks

- Do not wire anything to the release holes.
- Do not tilt or twist a flat-blade screwdriver while it is inserted into a release hole on the terminal block. The terminal block may be damaged.
- Insert a screwdriver into the release holes at an angle. The terminal block may be damaged if the flat-blade screwdriver is inserted straight in.
- Do not allow the flat-blade screwdriver to fall when you are holding it in a release hole.
- Do not bend a wire past its natural bending radius or pull on it with excessive force. Doing so may cause the wire disconnection.
- Do not insert more than one wire into each terminal insertion hole.
- If you use wire or a short-circuit bar for crossover wiring, take care that there are no incorrect insertions. Incorrect insertion may cause short-circuiting, malfunctioning, or failure.
- To prevent wire materials from smoking or igniting, confirm wire ratings and use the wiring materials given in the following table.

Model	Recommended wires	Stripping length
PYF-□□-PU/ P2RF-□□-PU	0.5 to 1.5 mm^2 / AWG20 to AWG16 stranded wire, 0.8 to 1.3 mm^2 solid wire	8 mm
PTF-□□-PU	0.5 to 2.5 mm^2 / AWG20 to AWG14 stranded wire, 0.8 to 1.6 mm^2 solid wire	

Disposal

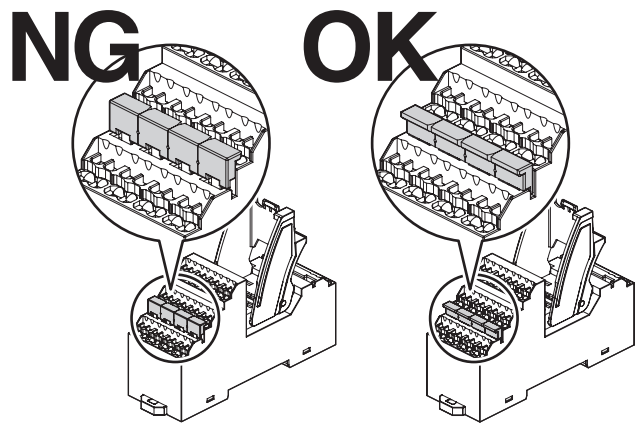
- If you dispose of any Sockets, do not place them in a fire.

Common connection method when using a short bar

- When connecting the P2RF-□□-PU input common, insert the short bar into only the A1 or A2 side.

Precautions for Correct Use

- Do not transport the Socket under the following conditions. Doing so may occasionally result in damage, malfunction, or deterioration of performance characteristics.
  - Locations subject to high temperature or high humidity
  - Locations subject to condensation due to rapid changes in temperature
- Do not use or store the Socket in the following locations. Doing so may occasionally result in damage, malfunction, or deterioration of performance characteristics.
  - Locations subject to shock or vibration
  - Conditions in which an external load may be applied
  - Locations subject to dust, salts, or iron, or locations where there is salt damage
- Do not use the Socket in a location where it may be subjected to solvents or alkali liquids.
- Do not insert short bar in the hole for wire or screw driver, it may cause the result of failure of pull out.
  If insert short bar in the hole for wire or screw driver and try to pull out, it may cause damage for short bar or socket.
- Insert the short bar so that the protrusion part of the short bar comes to the wire insertion side. Be sure to insert the short bar in the correct direction. Inserting the short bar in the opposite direction will prevent the short bar from being fully inserted, leading to contact failure or other problems.



- Do not use or store in an atmosphere in which ambient silicon gas, sulfuric gas (SO_2, H_2S), or organic gas is present, or near material that contains silicon. This may cause unstable contact or contact failure.
- Do not use or store in a location where water, chemicals, solvents, oil, or other substances may spray or splash on the Socket. Risk of failure, malfunctioning, or deterioration of performance.
- Avoid using or storing in a location where the ambient temperature exceeds -40 to 70°C. Risk of failure, malfunctioning, or deterioration of performance.

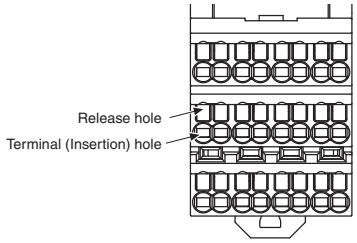
Applying 10 A or More When Using an LY1 with the Following Sockets

When you use an LY1 in combination with the PTF-08-PU(-L) connect each of the following terminal pairs: (1)to (2), (3) to (4), and (5) to (6).

Push-In Plus Terminal Blocks

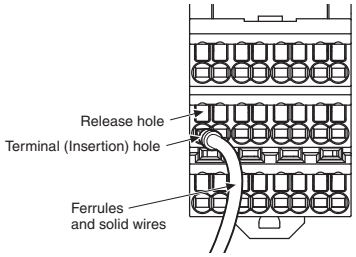
1. Connecting Wires to the Push-In Plus Terminal Block

Part Names of the Terminal Block



Connecting Wires with Ferrules and Solid Wires

Insert the solid wire or ferrule straight into the terminal block until the end strikes the terminal block.

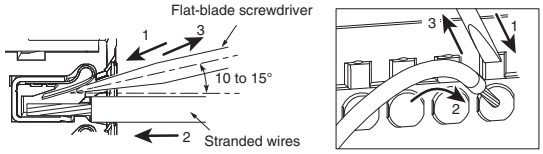


- If a wire is difficult to connect because it is too thin, use a flat-blade screwdriver in the same way as when connecting stranded wire.

Connecting Stranded Wires

Use the following procedure to connect the wires to the terminal block.

1. Hold a flat-blade screwdriver at an angle and insert it into the release hole.
   The angle should be between 10° and 15°. If the flat-blade screwdriver is inserted correctly, you will feel the spring in the release hole.
2. With the flat-blade screwdriver still inserted into the release hole, insert the wire into the terminal hole until it strikes the terminal block. At that time, to prevent from separating from one another, please insert in a twisted state.
3. Remove the flat-blade screwdriver from the release hole.



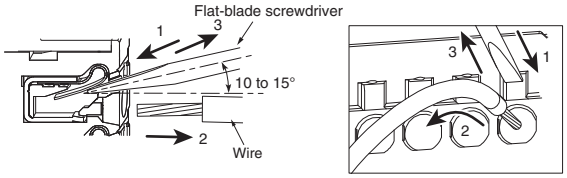
Checking Connections

- After the insertion, pull gently on the wire to make sure that it will not come off and the wire is securely fastened to the terminal block.
- If you use recommended ferrules, part of the conductor may be visible after the ferrule is inserted into the terminal block, but the product insulation distance will still be satisfied.

2. Removing Wires from the Push-In Plus Terminal Block

Use the following procedure to remove wires from the terminal block. The same method is used to remove stranded wires, solid wires, and ferrules.

1. Hold a flat-blade screwdriver at an angle and insert it into the release hole.
2. With the flat-blade screwdriver still inserted into the release hole, remove the wire from the terminal insertion hole.
3. Remove the flat-blade screwdriver from the release hole.



3. Recommended Ferrules and Crimp Tools

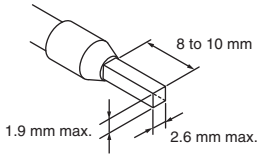
Recommended ferrules

Applicable wire		Ferrule Conductor length (mm)	Stripping length (mm) (Ferrules used)	Recommended ferrules		
(mm²)	(AWG)			Phoenix Contact product	Weidmuller product	Wago product
0.25 ✻1	24	8	10	AI 0,25-8	H0.25/12	216-301
		10	12	AI 0,25-10	---	---
0.34 ✻1	22	8	10	AI 0,34-8	H0.34/12	216-302
		10	12	AI 0,34-10	---	---
0.5	20	8	10	AI 0,5-8	H0.5/14	216-201
		10	12	AI 0,5-10	H0.5/16	216-241
0.75	18	8	10	AI 0,75-8	H0.75/14	216-202
		10	12	AI 0,75-10	H0.75/16	216-242
1/1.25	18/17	8	10	AI 1-8	H1.0/14	216-203
		10	12	AI 1-10	H1.0/16	216-243
1.25/1.5 ✻2	17/16	8	10	AI 1,5-8	H1.5/14	216-204
		10	12	AI 1,5-10	H1.5/16	216-244
2.5 ✻3	14	10	12	AI 2,5-10	H2.5/16DS	216-246
		12	14	AI 2,5-12	H2.5/19D	216-266
Recommended crimp tool				CRIMPFOX6 CRIMPFOX6T-F CRIMPFOX10S	PZ6 roto	Variocrimp4

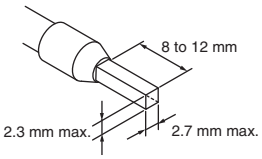
Note: 1. Make sure that the outer diameter of the wire coating is smaller than the inner diameter of the insulation sleeve of the recommended ferrule.

2. Make sure that the ferrule processing dimensions conform to the following figures.

PYF-□□-PU/P2RF-□□-PU



PTF-□□-PU



✻**1.** If you use AWG24 to AWG22 (0.25 to 0.34 mm²) wires, UL certification will not apply.

✻**2.** On the PYF-□□-PU / P2RF-□□-PU, do not connect ferrules for the applicable wires (AWG17 to AWG16 (1.25 to 1.5 mm²)) to adjacent terminal (insertion) holes.
However, when using a ferrule with no insulation sleeve, connecting to an adjacent terminal (insertion) hole is possible. (See the list below.)

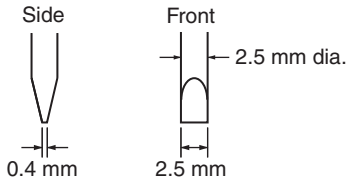
✻**3.** AWG14 wire can only be used on the PTF-□□-PU.

Ferrule with no insulation sleeve

Applicable wire		Ferrule Conductor length (mm)	Stripping length (mm) (Ferrules used)	Recommended ferrules		
(mm²)	(AWG)			Phoenix Contact product	Weidmuller product	Wago product
1.25/1.5	17/16	10	10	A 1,5-10	H1.5/10	216-144
Recommended crimp tool				CRIMPFOX6 CRIMPFOX6T-F CRIMPFOX10S	PZ6 roto	Variocrimp4

Recommended Flat-blade Screwdriver

Use a flat-blade screwdriver to connect and remove wires.
Use the following flat-blade screwdriver.
The following table shows manufacturers and models as of 2018/Dec.

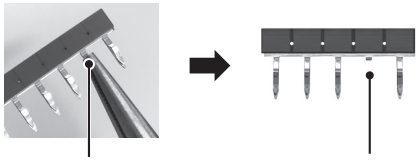


Model	Manufacturer
ESD 0,40×2,5	Wera
SZS 0,4×2,5 SZF 0-0,4×2,5 ✻	Phoenix Contact
0.4×2.5×75 302	Wiha
AEF.2,5×75	Facom
210-719	Wago
SDIS 0.4×2.5×75	Weidmuller
9900 (-2.5×75)	Vessel

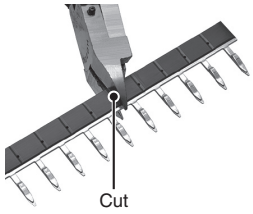
✻OMRON's exclusive purchase model XW4Z-00B is available to order as SZF 0-0,4×2,5 (manufactured by Phoenix Contact).

When mounting a short bar

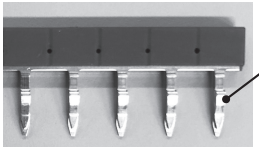
- Intermediate pins can be bent by a tool or by hand and cut off for use.

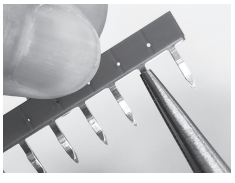


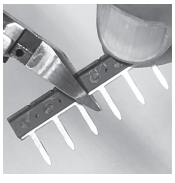
- The short bar can be cut to as many poles as needed. Insert the tool from the plastic part side, and cut along the groove in the plastic part between the terminals. When cutting, take care not to break or deform the terminals.
However, because the metal on the cut surface will be exposed, insulation countermeasures between adjacent products must be ensured. Such countermeasures include widening the intervals between products or using XW5Z-EP12 separate plates (order separately).



- When cutting the short bar or its pins, do not touch the conductive part. If the conductive part is deformed, contact failure may result.







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