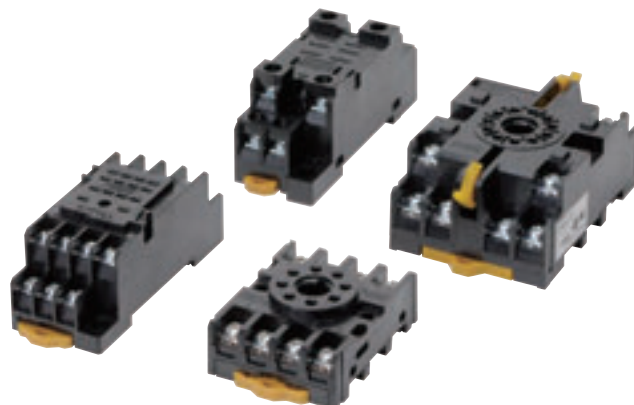


# Common Sockets

CSM\_common\_sockets\_DS\_E\_3\_14

## A Wide Variety of Square and Round Sockets in Front-mounting and Back-mounting Models

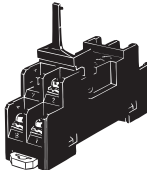

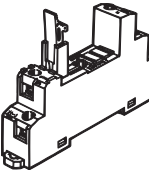
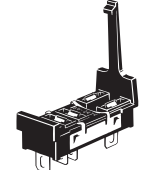
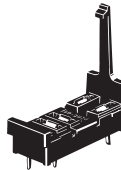
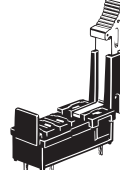
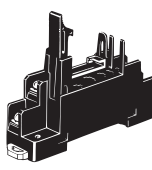
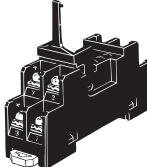

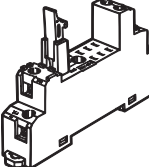
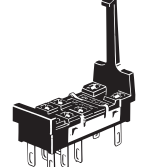
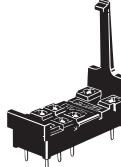
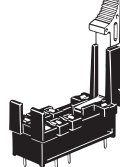
- Models available with finger protection.
- Hold-down Clips and Short Bars for PYFZ/PYF Sockets are also available.
- New screwless models available.



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

## Ordering Information

### Square Sockets

Model Number of pins	P2RF (front-mounting), page 8			P2R (back-mounting), pages 11 and 12			P7TF (front-mounting), page 12
				Solder terminals	PCB terminals		
5 pins	<b>P2RF-05</b> Approx. 27 g	<b>P2RFZ-05-E</b> Approx. 30 g	<b>P2RF-05-E*</b> Approx. 38 g	<b>P2R-05A</b> Approx. 5 g	<b>P2R-05P</b> Approx. 5 g	<b>P2R-057P</b> Approx. 5.5 g	<b>P7TF-05</b> Approx. 28 g
							
8 pins	<b>P2RF-08</b> Approx. 33 g	<b>P2RFZ-08-E</b> Approx. 38 g	<b>P2RF-08-E*</b> Approx. 38 g	<b>P2R-08A</b> Approx. 5 g	<b>P2R-08P</b> Approx. 5 g	<b>P2R-087P</b> Approx. 5.5 g	—
							

**Note:** 1. The structure of □-E models provides finger protection. Round terminals cannot be used. Use forked crimp terminals.

2. To remove the Relay, pull the lever on the Socket with your fingers supporting the lever and the opposite side of the Relay case, and jiggle the Relay.

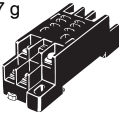
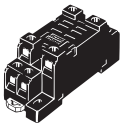
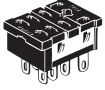
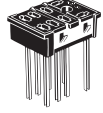
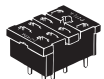
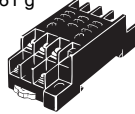
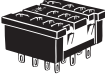
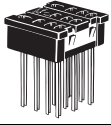
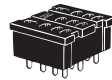
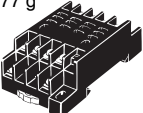
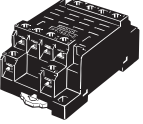
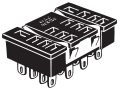
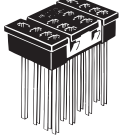
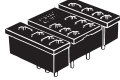
\* Use a #1 Phillips screwdriver to tighten the screws on this Socket.

Model Number of pins	PYF (front-mounting), pages 13 to 14		PY (back-mounting), pages 16 to 14			
			Solder terminals		Wrapping terminals	
8 pins	<b>PYF08A</b> Approx. 32 g	<b>PYF08M</b> Approx. 26 g	<b>PY08</b> Approx. 8 g	<b>PY08-Y1</b> <b>PY08-Y3</b>	<b>PY08QN</b> Approx. 12 g <b>PY08QN2</b>	<b>PY08QN-Y1</b> <b>PY08QN2-Y1</b>
	<b>PYF08A-E *1</b>	<b>PYFZ-08</b> Approx. 32 g				
		<b>PYFZ-08-E *1</b> Approx. 32 g				<b>PY08-02 *2</b> Approx. 7.2 g
11 pins	<b>PYF11A</b> Approx. 43 g		<b>PY11</b> Approx. 9 g	<b>PY11-Y1</b>	<b>PY11QN</b> <b>PY11QN2</b>	<b>PY11QN-Y1</b> <b>PY11QN2-Y1</b>
						<b>PY11-02 *2</b>
14 pins	<b>PYF14A</b> Approx. 49 g	<b>PYFZ-14</b> Approx. 50 g	<b>PY14</b> Approx. 10 g	<b>PY14-Y1</b> <b>PY14-Y3</b>	<b>PY14QN</b> Approx. 14 g <b>PY14QN2</b>	<b>PY14QN-Y1</b> <b>PY14QN2-Y1</b> <b>PY14QN-Y3</b> <b>PY14QN2-Y3</b>
	<b>PYF14A-E *1</b>	<b>PYFZ-14-E *1</b> Approx. 50 g				
						<b>PY14-02 *2</b>

**Note:** The structure of □-E models provides finger protection. Round terminals cannot be used. Use forked crimp terminals.

\*1. Use a #1 Phillips screwdriver to tighten the screws on this Socket.

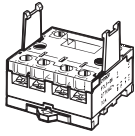
\*2. The structure does not resist flux. Manual soldering is recommended for this product.

Model Number of pins	PTF (front-mounting), pages 18 to 15		PT (back-mounting), pages 19 to 16		
			Solder terminals	Wrapping terminals	PCB terminals
8 pins	PTF08A Approx. 47 g 	PTF08A-E *1 	PT08 Approx. 11 g 	PT08QN Approx. 10.4 g 	PT08-0 *2 Approx. 8 g 
11 pins	PTF11A Approx. 61 g 		PT11 Approx. 13 g 	PT11QN 	PT11-0 *2 Approx. 12.2 g 
14 pins	PTF14A Approx. 77 g 	PTF14A-E *1 	PT14 Approx. 17 g 	PT14QN Approx. 20 g 	PT14-0 *2 Approx. 16.2 g 

**Note:** The structure of □-E models provides finger protection. Round terminals cannot be used. Use forked crimp terminals.

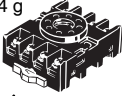

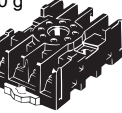
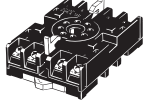
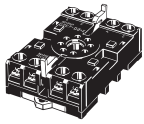
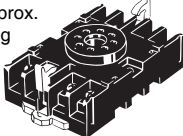
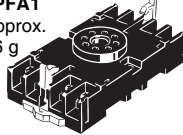
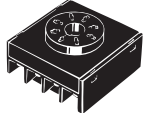



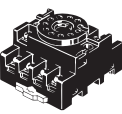


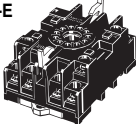
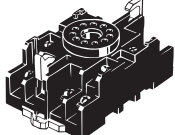
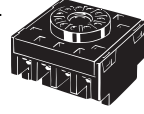



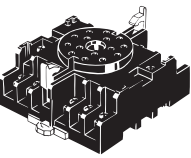


\* Use a #1 Phillips screwdriver to tighten the screws on this Socket.

\* The structure does not resist flux. Manual soldering is recommended for this product.

Model Number of pins	P7LF (front-mounting), page 20
6 pins	P7LF-06 Approx. 60 g 

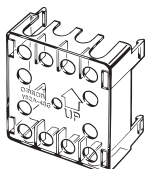
**Note:** Refer to *Models with Standards Certification* for detailed information on the models of Common Sockets that are certified for standards.

## Round Sockets

Model Number of pins	PF (front-mounting), page 21	P2CF (front-mounting), page 22	PFA (front-mounting), page 23	P3G (back-mounting), page 24	PL (back-mounting), page 25		
					Solder terminals	Wrapping terminals	PCB terminals
8 pins	<b>PF083A</b> Approx. 34 g  <b>PF083A-E *</b>  <b>PF085A</b> Approx. 40 g 	<b>P2CF-08</b> Approx. 55 g  <b>P2CF-08-E</b> 	<b>8PFA</b> Approx. 57 g  <b>8PFA1</b> Approx. 66 g 	<b>P3G-08</b> Approx. 40 g  <b>Note:</b> The Y92A-48G Terminal Cover can be used to provide finger protection.	<b>PL08</b> Approx. 14 g 	<b>PL08-Q</b> Approx. 15 g 	<b>PLE08-0</b> Approx. 10.6g 
	<b>PF113A</b> Approx. 47 g  <b>PF113A-E *</b> 	<b>P2CF-11</b> Approx. 70g  <b>P2CF-11-E</b> 	<b>11PFA</b> Approx. 74 g 	<b>P3GA-11</b> Approx. 47 g  <b>Note:</b> The Y92A-48G Terminal Cover can be used to provide finger protection.	<b>PL11</b> Approx. 15 g 	<b>PL11-Q</b> Approx. 18.5A 	<b>PLE11-0</b> Approx. 10.8 g 
14 pins	---	---	<b>14PFA</b> Approx. 104 g 	---	<b>PL15</b> Approx. 28 g 	---	---
20 pins	---	---	---	---	<b>PL20</b> Approx. 17 g 	---	---

**Note:** The structure of □-E models provides finger protection. Round terminals cannot be used. Use forked crimp terminals.  
 \* Use a #1 Phillips screwdriver to tighten the screws on this Socket.

## Terminal Cover

Model	Y92A-48G
Appearance	

**Note:** Refer to Models with Standards Certification for detailed information on the models of Common Sockets that are certified for standards.



## Hold-down Clips For Square Sockets

(Unit: mm)

<b>PKC One Set (2 Clips)</b> 	<b>PTC-1</b> 	<b>PYC-A1</b> Approx. 0.54 g One Set (2 Clips) 	<b>PYC-A2</b> One Set (2 Clips) 	<b>PYC-E1</b> One Set (2 Clips) 	<b>PYC-P</b> Approx. 1.4 g 
<b>PYC-P2</b> Approx. 1.2 g 	<b>PYC-S</b> Approx. 1.8 g 	<b>PYC-1</b> Approx. 6 g 	<b>PYC-2</b> 	<b>PYC-3</b> 	<b>PYC-5</b> 
<b>PYC</b> Approx. 0.2 g 	<b>Y92H-1</b> 	<b>Y92H-3</b> One Set (2 Clips) 	<b>Y92H-4</b> 		

## For Round Sockets

<b>PFC-A1</b> Approx. 2.2 g One Set (2 Clips) 	<b>PFC-A6</b> Approx. 2.4 g One Set (2 Clips) 	<b>PFC-A7</b> Approx. 3.0 g One Set (2 Clips) 	<b>PLC</b> Approx. 2.4 g One Set (2 Clips) 	<b>PLC-1</b> Approx. 2.6 g One Set (2 Clips) 	<b>PLC-7</b> Approx. 3.0 g One Set (2 Clips) 
<b>PLC-8</b> Approx. 6.4 g One Set (2 Clips) 	<b>PLC-10</b> Approx. 2.0 g One Set (2 Clips) 	<b>PLC-12</b> Approx. 5.4 g One Set (2 Clips) 			

## Applicable Hold-down Clips

### For Square Sockets

Sockets Applicable models	PYF□A PTF□A	PYF08M	PY□(QN) PT□(QN)	PY□-02 PT□-0
MY□, MY□N, MY□-D, MY2□-CR, MY4□-CR, MY4Z□-CR, MY□-TU, MY2K, MY□N-D2, LY□, LY□N, LY□-TU, MYQ□, G3H(D) Series, G3F(D) Series, G3FM, and G9H	PYC-A1	PYC PYC-P	PYC-P PYC-S	PYC-P
MY□ * LY□		---	PYC-P2	
MY4H		---	PYC-P	
MY2Z□-CR MY3□-CR LY□-CR	Y92H-3	---	PYC-1	
G7K	PKC	---		
H3Y	Y92H-3	Y92H-4		

**Note:** The □ in the model number is replaced with 08, 11, or 14.

\* If you use a Hold-down Clip with the MY2I, you cannot use the PYF08A.  
Use the PYF14A.

### For Round Sockets

Sockets Applicable models	PF083A PF113A	PL08 (-Q) PL11 (-Q)	PLE08-0 PLE11-0	P2CF-11
61F-03B, -04B	PFC-A1	PLC	PLC-10	---
61F-GP-N, -GPN-BT 61F-GP-N8 ?61F-APN2	PFC-N8	PHC-5		
MK2P Series, MK2KP, MK3P□(-US), and G3B(D) Series	PFC-A1	PLC		
MK3ZP MK3LP		PLC-1		
MYA-NA1, -NB1 MYA-LA1, -LB1 MYA-NA2, -NB2 MYA-LA2, -LB2	PFC-A6	PLC-7	---	---
MYA-LA12, -LB12	PFC-A7	PLC-8	---	---
APR-S	PFC-A6	PLC-7	---	---
APR-S380/-S440	---	---	---	Y92H-1
LG2	PFC-A7	PLC-8	---	---
K6EL	---	Y92H-1	---	---

**Note:** 1. The 8PFA(1), 11PFA, and 14PFA are held with hooks.

2. The PL15, PL20, and PF202, as well as models not given in the above table, require panel processing for installation.

3. The PF085A Hold-down Clip is included with the H3M and H2A. It is an option (sold separately) for the H2C.

## Specifications

### Socket Characteristics

Model	Continuous carry current	Dielectric strength	Insulation resistance*	Remarks
P2RFZ-05-E	10 A	Between contact terminals of same polarity: 1,000 VAC for 1 min Between coil and contact terminals: 4,000 VAC for 1 min	1,000 MΩ min.	
P2RFZ-08-E	5 A	Between contact terminals of different polarity: 3,000 VAC for 1 min Between contact terminals of same polarity: 1,000 VAC for 1 min Between coil and contact terminals: 4,000 VAC for 1 min	1,000 MΩ min.	
P2RF-05(-E)	10 A	Between contact terminals of same polarity: 1,000 VAC for 1 min Between coil and contact terminals: 4,000 VAC for 1 min	1,000 MΩ min.	
P2RF-08(-E)	5 A	Between contact terminals of different polarity: 3,000 VAC for 1 min Between contact terminals of same polarity: 1,000 VAC for 1 min Between coil and contact terminals: 4,000 VAC for 1 min	1,000 MΩ min.	
P2R-05P	10 A	Between contact terminals of same polarity: 1,000 VAC for 1 min Between coil and contact terminals: 4,000 VAC for 1 min	1,000 MΩ min.	
P2R-08P	5 A	Between contact terminals of different polarity: 3,000 VAC for 1 min Between contact terminals of same polarity: 1,000 VAC for 1 min Between coil and contact terminals: 4,000 VAC for 1 min	1,000 MΩ min.	
P2R-057P	10 A	Between contact terminals of same polarity: 1,000 VAC for 1 min Between coil and contact terminals: 5,000 VAC for 1 min	1,000 MΩ min.	
P2R-087P	5 A	Between contact terminals of different polarity: 3,000 VAC for 1 min Between contact terminals of same polarity: 1,000 VAC for 1 min Between coil and contact terminals: 5,000 VAC for 1 min	1,000 MΩ min.	
P2R-05A	10 A	Between contact terminals of same polarity: 1,000 VAC for 1 min Between ground terminals: 1,500 VAC for 1 min Between coil and contact terminals: 4,000 VAC for 1 min	1,000 MΩ min.	
P2R-08A	5 A	Between contact terminals of different polarity: 3,000 VAC for 1 min Between contact terminals of same polarity: 1,000 VAC for 1 min Between ground terminals: 1,500 VAC for 1 min Between coil and contact terminals: 4,000 VAC for 1 min	1,000 MΩ min.	
P7TF-05	5 A	Between terminals: 2,000 VAC for 1 min	1,000 MΩ min.	
PYFZ-08(-E)	10 A	Between contact terminals of different polarity: 2,250 VAC for 1 min Between contact terminals of same polarity: 2,250 VAC for 1 min Between coil and contact terminals: 2,250 VAC for 1 min	1,000 MΩ min.	
PYF08A(-E)	7 A	Between terminals: 2,000 VAC for 1 min	1,000 MΩ min.	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.
PYF11A	5 A	Between terminals: 2,000 VAC for 1 min	1,000 MΩ min.	
PYFZ-14(-E)	6 A	Between contact terminals of different polarity: 2,250 VAC for 1 min Between contact terminals of same polarity: 2,250 VAC for 1 min Between coil and contact terminals: 2,250 VAC for 1 min	1,000 MΩ min.	
PYF14A(-E)	3 A	Between terminals: 2,000 VAC for 1 min	1,000 MΩ min.	
PY08(-Y1)(-Y3)	7 A	Between terminals: 1,500 VAC for 1 min	1,000 MΩ min.	
PY08QN(-Y1)	7 A	Between terminals: 1,500 VAC for 1 min	100 MΩ min.	
PY08-02	7 A	Between terminals: 1,500 VAC for 1 min	100 MΩ min.	
PY11(-Y1)	5 A	Between terminals: 1,500 VAC for 1 min	100 MΩ min.	
PY11QN(-Y1)	5 A	Between terminals: 1,500 VAC for 1 min	100 MΩ min.	
PY11-02	5 A	Between terminals: 1,500 VAC for 1 min	100 MΩ min.	
PY14(-Y1)(-Y3)	3 A	Between terminals: 1,500 VAC for 1 min	100 MΩ min.	
PY14QN(-Y1)	3 A	Between terminals: 1,500 VAC for 1 min	100 MΩ min.	
PY14-02	3 A	Between terminals: 1,500 VAC for 1 min	100 MΩ min.	
PTF□□A(-E)	10 A	Between terminals: 2,000 VAC for 1 min	100 MΩ min.	
PT□□	10 A	Between terminals: 2,000 VAC for 1 min	100 MΩ min.	
PT□□QN	10 A	Between terminals: 2,000 VAC for 1 min	100 MΩ min.	
PT□□-0	10 A	Between terminals: 2,000 VAC for 1 min	100 MΩ min.	
P7LF-06	30 A	Between contact terminals of different polarity: 2,000 VAC for 1 min Between contact terminals of same polarity: 2,000 VAC for 1 min Between coil and contact terminals: 4,000 VAC for 1 min	1,000 MΩ min.	
PF□□□A(-E)	5 A	Between terminals: 2,000 VAC for 1 min	1,000 MΩ min.	
P2CF-□(-E)	5 A	Between terminals: 2,000 VAC for 1 min	1,000 MΩ min.	
8PFA(1)	10 A	Between terminals: 2,000 VAC for 1 min	1,000 MΩ min.	
11PFA(1)	10 A	Between terminals: 2,000 VAC for 1 min	1,000 MΩ min.	
P3G(A)-□	6 A	Between terminals: 2,000 VAC for 1 min	1,000 MΩ min.	
PL□(-Q)	10 A	Between terminals: 2,000 VAC for 1 min	1,000 MΩ min.	
PLE□□-0	10 A	Between terminals: 2,000 VAC for 1 min	1,000 MΩ min.	

\* The insulation resistance was measured with a 500-VDC insulation resistance meter at the same places as those used for measuring the dielectric strength.

## Safety Precautions

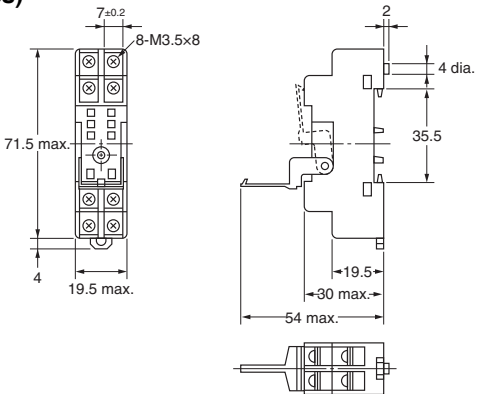
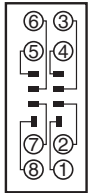
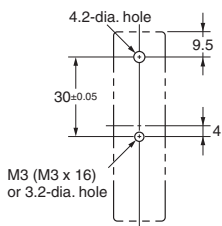
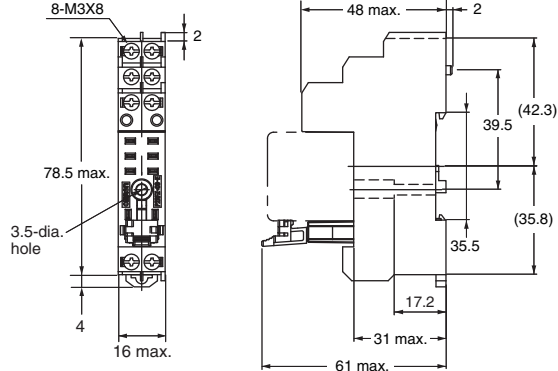
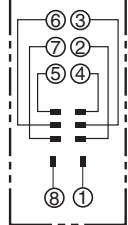
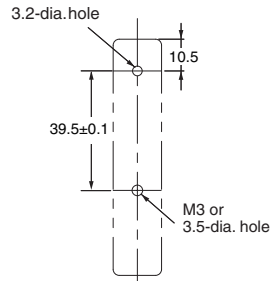
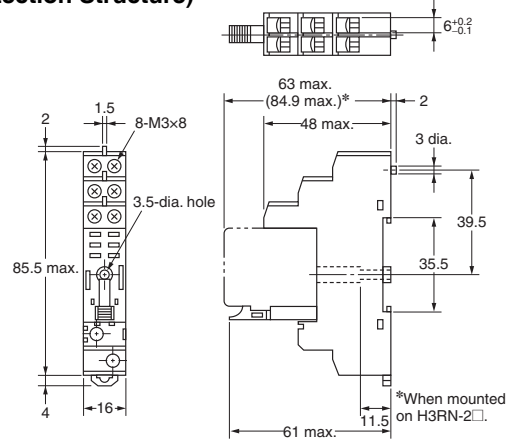
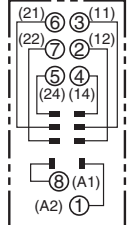
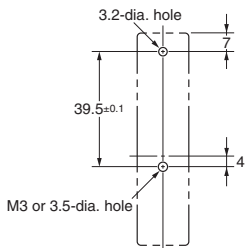
Refer to *Common Relay Precautions* for general precautions.

## Dimensions

## P2RF

(Unit: mm)


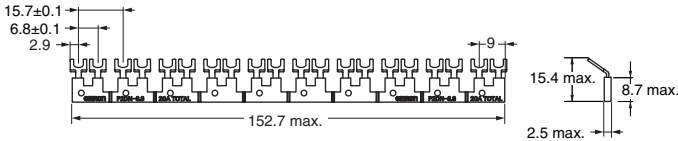

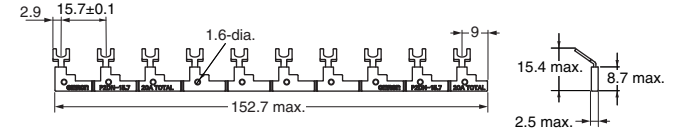
Dimensions	Terminal Arrangement/ Internal Connections	Mounting Hole Dimensions
<b>P2RF-05 (One Pole)</b> <p>Front view: 71.5 max. height, 19.5 max. width, 4 mm base, 5-M3.5x8 screws, 7±0.2 mm top flange.</p> <p>Side view: 54 max. depth, 30 max. mounting hole offset, 19.5 mm terminal offset, 35.5 mm terminal height, 4 dia. terminal hole, 2 mm top flange.</p>	<p>(Top View)</p>	<p>(Top View)</p> <p><b>Note:</b> Track mounting is also possible.</p>
<b>P2RFZ-05-E (One Pole) (Finger Protection Structure)</b> <p>Front view: 78.5 max. height, 16 max. width, 4 mm base, 3.5-dia. hole, 8-M3x8 screws.</p> <p>Side view: 61 max. depth, 31 max. mounting hole offset, 17.2 mm terminal offset, 35.5 mm terminal height, 39.5 mm terminal height, 42.3 mm terminal height, 35.5 mm terminal height, 2 mm top flange.</p>	<p>(Top View)</p>	<p>(Top View)</p> <p><b>Note:</b> Track mounting is also possible.</p>
<b>P2RF-05-E (One Pole) (Finger Protection Structure)</b> <p>Front view: 85.5 max. height, 16 max. width, 4 mm base, 3.5-dia. hole, 5-M3.5x7 screws.</p> <p>Side view: 61 max. depth, 31 max. mounting hole offset, 17.2 mm terminal offset, 35.5 mm terminal height, 39.5 mm terminal height, 42.3 mm terminal height, 2 mm top flange.</p> <p>*When mounted on H3RN-1□.</p>	<p>(Top View)</p> <p><b>Note:</b> Figures in parentheses indicate DIN standard numbers.</p>	<p>(Top View)</p> <p><b>Note:</b> Track mounting is also possible.</p>

Dimensions	Terminal Arrangement/ Internal Connections	Mounting Hole Dimensions
<b>P2RF-08</b> <b>(Two Poles)</b>  <p>71.5 max. 7<math>\pm</math>0.2 8-M3.5<math>\times</math>8 4 19.5 max. 2 4 dia. 35.5 19.5 30 max. 54 max.</p>	 <p>(Top View)</p>	 <p>4.2-dia. hole 30<math>\pm</math>0.05 9.5 4 M3 (M3 <math>\times</math> 16) or 3.2-dia. hole (Top View)</p> <p><b>Note:</b> Track mounting is also possible.</p>
<b>P2RFZ-08-E</b> <b>(Two Poles)</b> <b>(Finger Protection Structure)</b>  <p>8-M3<math>\times</math>8 2 78.5 max. 3.5-dia. hole 4 16 max. 48 max. 2 39.5 (42.3) (35.8) 35.5 17.2 31 max. 61 max.</p>	 <p>(Top View)</p>	 <p>3.2-dia. hole 10.5 39.5<math>\pm</math>0.1 M3 or 3.5-dia. hole (Top View)</p> <p><b>Note:</b> Track mounting is also possible.</p>
<b>P2RF-08-E</b> <b>(Two Poles)</b> <b>(Finger Protection Structure)</b>  <p>63 max. (84.9 max.)* 48 max. 2 3 dia. 39.5 35.5 11.5 61 max. 85.5 max. 2 1.5 8-M3<math>\times</math>8 3.5-dia. hole 4 16 *When mounted on H3RN-2□.</p>	 <p>(Top View)</p> <p><b>Note:</b> Figures in parentheses indicate DIN standard numbers.</p>	 <p>3.2-dia. hole 7 39.5<math>\pm</math>0.1 4 M3 or 3.5-dia. hole (Top View)</p> <p><b>Note:</b> Track mounting is also possible.</p>

**Note:** If an I/O SSR or Indicator Module is used, the polarity of terminal 1 is negative.

## Accessories for Screw Terminal Sockets (P2RFZ-□-E)


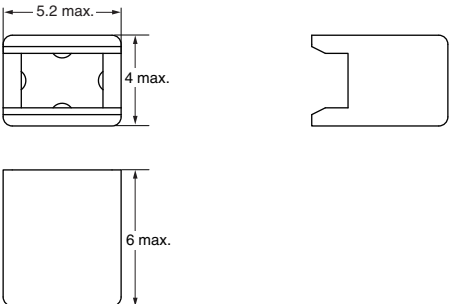
### Short Bars

Pitch	Applicable models	Appearance	Dimensions (mm)	Model	Maximum carry current
6.8 mm	P2RFZ-05-E P2RFZ-08-E			P2DN-6.8-100S	20 A
15.7 mm				P2DN-15.7-100S	

**Note:** Each Short Bar set comes with 20 Caps.

## Accessories for Short Bars (P2DN)

### Cap

Applicable models	Appearance	Dimensions (mm)	Model
P2RFZ-05-E P2RFZ-08-E			P2DN-CP100

## P2R

(Unit: mm)

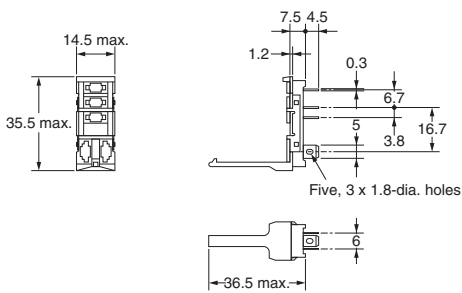

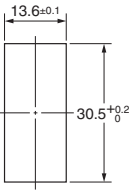
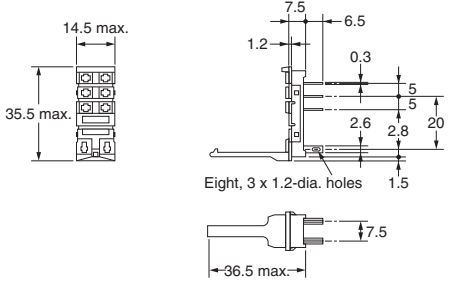
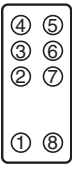
Dimensions	Terminal Arrangement/ Internal Connections	PCB Dimensions
<b>P2R-05P (One Pole)</b> 	 (Bottom View)	 (Bottom View)
<b>P2R-08P (Two Poles)</b> 	 (Bottom View)	 (Bottom View)
<b>P2R-057P (One Pole)</b> 	 (Bottom View)	 (Bottom View)
<b>P2R-087P (Two Poles)</b> 	 (Bottom View)	 (Bottom View)

**Note:** If an I/O SSR or Indicator Module is used, the polarity of terminal 1 is negative.



## P2R

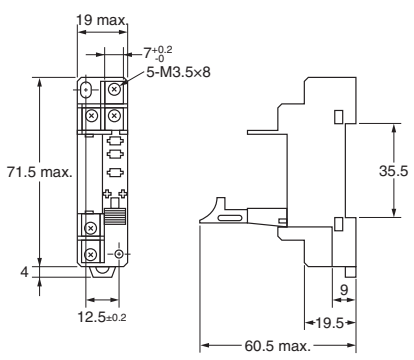
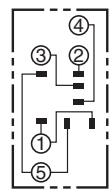
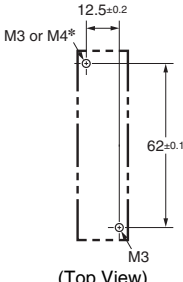
(Unit: mm)

Dimensions	Terminal Arrangement/ Internal Connections	Mounting Hole Dimensions
<b>P2R-05A (One Pole)</b> 	 <p>(Bottom View)</p>	 <p>(Use panel with thickness of 1.6 to 2.0 mm.)</p>
<b>P2R-08A (Two Poles)</b> 	 <p>(Bottom View)</p>	<p>(Use panel with thickness of 1.6 to 2.0 mm.)</p>

**Note:** If an I/O SSR or Indicator Module is used, the polarity of terminal 1 is negative.

## P7TF

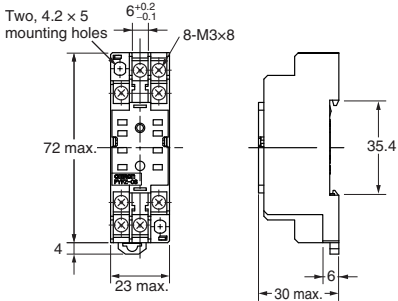
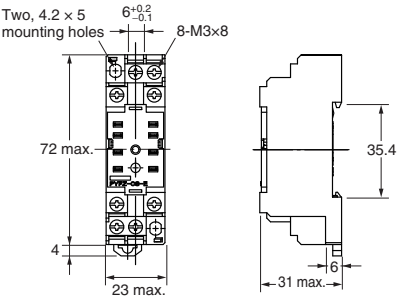
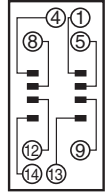
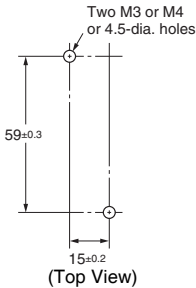
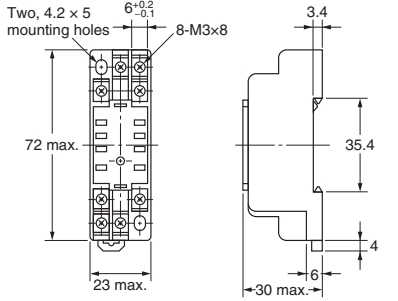
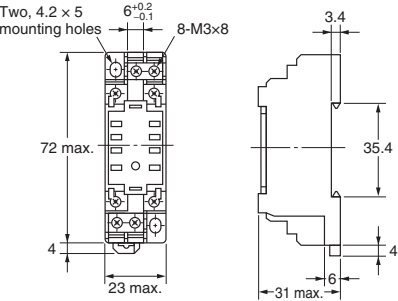
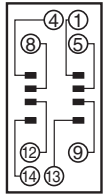
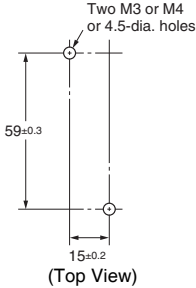
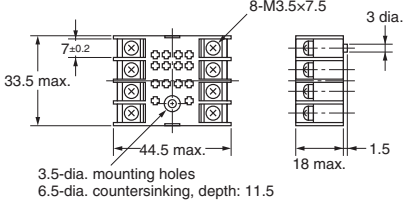
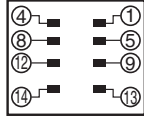
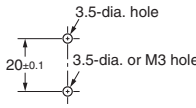
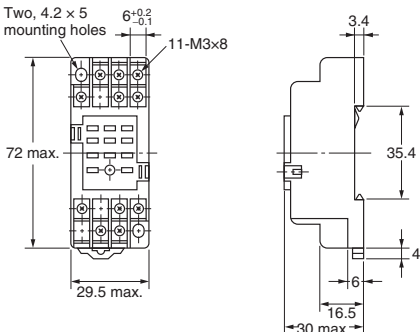
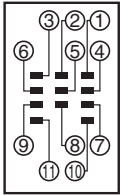
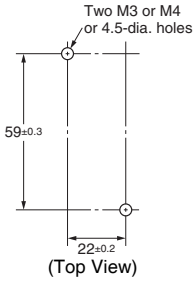
(Unit: mm)

Dimensions	Terminal Arrangement/ Internal Connections	Mounting Hole Dimensions
<b>P7TF-05</b> 	 <p>(Top View)</p>	 <p>(Top View)</p> <p><b>Note:</b> Track mounting is also possible. * We recommend that you use washers if you use M3 bolts or screws. Washers are not required with M4 bolts or screws.</p>

**Note:** If an I/O SSR or Indicator Module is used, the polarity of terminal 1 is positive.

## PYFZ/PYF

(Unit: mm)

Dimensions	Terminal Arrangement/Internal Connections	Mounting Hole Dimensions
<p><b>PYFZ-08</b></p>  <p><b>PYFZ-08-E</b> (Finger Protection Structure)</p> 	 <p>(Top View)</p>	 <p>(Top View)</p> <p><b>Note:</b> Track mounting is also possible.</p>
<p><b>PYF08A</b></p>  <p><b>PYF08A-E</b> (Finger Protection Structure)</p> 	 <p>(Top View)</p>	 <p>(Top View)</p> <p><b>Note:</b> Track mounting is also possible.</p>
<p><b>PYF08M</b></p>  <p>3.5-dia. mounting holes 6.5-dia. countersinking, depth: 11.5</p>	 <p>(Top View)</p>	 <p>(Top View)</p>
<p><b>PYF11A</b></p> 	 <p>(Top View)</p>	 <p>(Top View)</p> <p><b>Note:</b> Track mounting is also possible.</p>

## PYFZ/PYF

(Unit: mm)

Dimensions	Terminal Arrangement/Internal Connections	Mounting Hole Dimensions
<div><b>PYFZ-14</b></div> <div><p>Two, 4.2 x 5 mounting holes</p><p>6<sup>+0.2</sup><sub>-0.1</sub></p><p>14-M3x8</p><p>72 max.</p><p>4</p><p>29.5 max.</p><p>30 max.</p><p>35.4</p><p>6</p></div>	<div><p>(Top View)</p></div>	<div><p>Two M3 or M4 or 4.5-dia. holes</p><p>59±0.3</p><p>22±0.2</p><p>(Top View)</p><p><b>Note:</b> Track mounting is also possible.</p></div>
<div><b>PYF14A</b></div> <div><p>Two, 4.2 x 5 mounting holes</p><p>6<sup>+0.2</sup><sub>-0.1</sub></p><p>14-M3x8</p><p>72 max.</p><p>4</p><p>29.5 max.</p><p>30 max.</p><p>35.4</p><p>6</p><p>16.5</p></div>	<div><p>(Top View)</p></div>	<div><p>Two M3 or M4 or 4.5-dia. holes</p><p>59±0.3</p><p>22±0.2</p><p>(Top View)</p><p><b>Note:</b> Track mounting is also possible.</p></div>
<div><b>PYFZ-14-E (Finger Protection Structure)</b></div> <div><p>Two, 4.2-dia x 5 mounting holes</p><p>6<sup>+0.2</sup><sub>-0.1</sub></p><p>14-M3x8</p><p>72 max.</p><p>4</p><p>29.5 max.</p><p>31 max.</p><p>35.4</p><p>6</p></div>		
<div><b>PYF14A-E (Finger Protection Structure)</b></div> <div><p>Two, 4.2-dia x 5 mounting holes</p><p>6<sup>+0.2</sup><sub>-0.1</sub></p><p>14-M3x8</p><p>72 max.</p><p>4</p><p>29.5 max.</p><p>31 max.</p><p>35.4</p><p>6</p><p>16.5</p></div>		


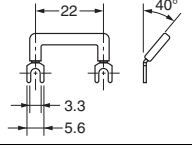
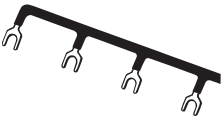
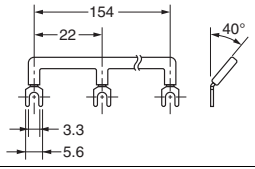

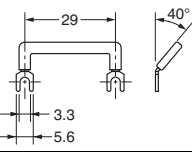
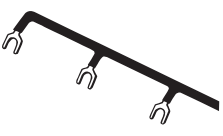
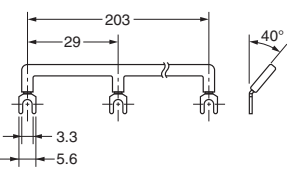
## Relay Sockets and Short Bars for PYFZ/PYF

### Bridges within the Same Socket

Pitch	Applicable models	Appearance	Dimensions (mm)	Model	Specifications
7 mm	PYFZ-14 PYF14A			PYD-020B□(2P)	Max. carry current: 20 A (18 A at 70°C) Ambient operating temperature: -40 to 70°C (with no icing or condensation) Ambient operating humidity: 45% to 85% (with no icing or condensation) Conductor material: Brass Conductor surface treatment: Nickel plating Package qty: 50/bag
				PYD-030B□(3P)	

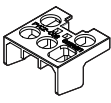
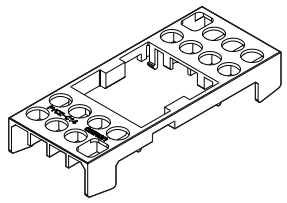
**Note:** The □ in the model number is replaced with the insulation color specification code. B: Black, Y: Yellow

## Bridges between Adjacent Sockets

Pitch	Applicable models	Appearance	Dimensions (mm)	Model	Specifications
22 mm	PYFZ-08 PYF08A			PYD-025B□(2P)	Max. carry current: 20 A (18 A at 70°C) Ambient operating temperature: -40 to 70°C (with no icing or condensation) Ambient operating humidity: 45% to 85% (with no icing or condensation) Conductor material: Brass Conductor surface treatment: Nickel plating Package qty: 10/bag
				PYD-085B□(8P)	
29 mm	PYFZ-14 PYF14A			PYD-026B□(2P)	Max. carry current: 20 A (18 A at 70°C) Ambient operating temperature: -40 to 70°C (with no icing or condensation) Ambient operating humidity: 45% to 85% (with no icing or condensation) Conductor material: Brass Conductor surface treatment: Nickel plating Package qty: 10/bag
				PYD-086B□(8P)	

**Note:** The □ in the model number is replaced with the insulation color specification code. B: Black, S: Blue, R: Red

## Terminal Covers for PYFZ-08/PYFZ-14

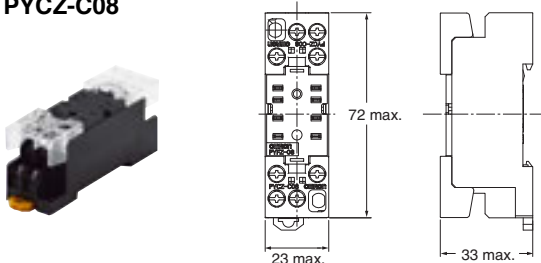
Applicable models	Appearance	Model
PYFZ-08		PYCZ-C08 (2 pcs/set)
PYFZ-14		PYCZ-C14 (1 pcs/set)

**Note:** These covers cannot be used for PYF08A and PYF14A.  
Use these covers in a combination with PYFZ-08 and PYFZ-14.

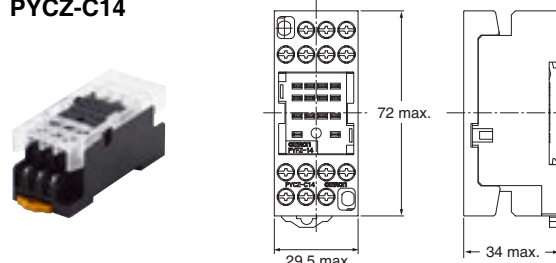
## Dimensions with terminal cover

(Unit: mm)

PYCZ-C08



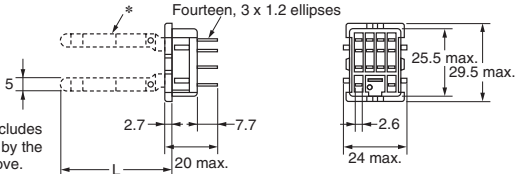
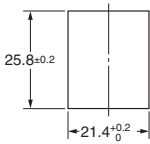
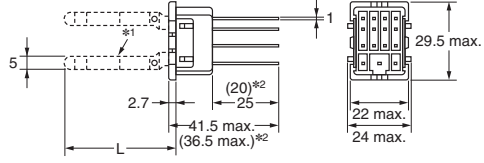
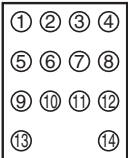
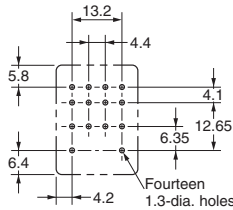
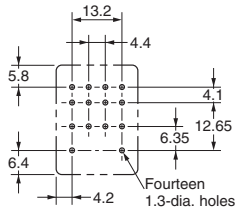
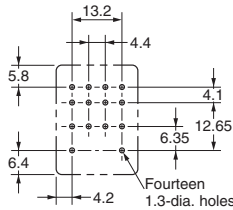
PYCZ-C14



## PY

(Unit: mm)

Dimensions	Terminal Arrangement/ Internal Connections	Mounting hole and PCB dimensions
<b>PY08</b> <b>PY08-Y1 (L = 42 max.)</b> <b>PY08-Y13 (L = 60 max.)</b> <p>*The PY08-Y13 includes the part outlined by the dashed lines above.</p>		
<b>PY08QN</b> <b>PY08QN2</b> <b>PY08QN-Y1</b> <b>PY08QN2-Y1</b> <p>*1. The PY08QN(2)-Y1 includes the part outlined by the dashed lines above.          *2. The figures in the parentheses are for the PY08QN2(-Y1).</p>	<p>(Bottom View)</p>	
<b>PY08-02</b> * The structure does not resist flux. Manual soldering is recommended for this product.		
<b>PY11</b> <b>PY11-Y1</b> <p>*The PY11-Y1 includes the part outlined by the dashed lines above.</p>		
<b>PY11QN</b> <b>PY11QN2</b> <b>PY11QN-Y1</b> <b>PY11QN2-Y1</b> <p>*1. The PY11QN(2)-Y1 includes the part outlined by the dashed lines above.          *2. The figures in the parentheses are for the PY11QN2(-Y1).</p>	<p>(Bottom View)</p>	
<b>PY11-02</b> * The structure does not resist flux. Manual soldering is recommended for this product.		

Dimensions	Terminal Arrangement/ Internal Connections	Mounting hole and PCB dimensions
<p><b>PY14</b>  <b>PY14-Y1 (L = 42 max.)</b>  <b>PY14-Y3 (L = 60 max.)</b></p>  <p>*The PY14-Y□ includes the part outlined by the dashed lines above.</p>		
<p><b>PY14QN</b>  <b>PY14QN2</b>  <b>PY14QN-Y1 (L = 42 max.)</b>  <b>PY14QN2-Y1 (L = 42 max.)</b>  <b>PY14QN-Y3 (L = 60 max.)</b>  <b>PY14QN2-Y3 (L = 60 max.)</b></p>  <p>*1. The PY14QN-Y□ and PY14QN2-Y□ include the part outlined by the dashed lines above.          *2. The figures in the parentheses are for the PY14QN2(-Y□).</p>	 <p>(Bottom View)</p>	
<p><b>PY14-02</b></p> <p>* The structure does not resist flux. Manual soldering is recommended for this product.</p> 		

- Note:**
1. Use a panel with a thickness of 1 to 2 mm when mounting a Socket on it.
  2. You can use the PY14-Y1 or PY14QN-Y1 for the MY4 Series, MY4H, MYQ4(Z), or MY2K.
  3. You can use the PY14-Y3 or PY14QN-Y3 for H3Y Timers.

## PTF

(Unit: mm)

Dimensions	Terminal Arrangement/ Internal Connections	Mounting Hole Dimensions
<b>PTF08A</b>	<p>(Top View)</p>	<p>(Top View)</p>
<b>PTF08A-E (Finger Protection Structure)</b>	<p>(Top View)</p>	<p><b>Note:</b> Track mounting is also possible.</p>
<b>PTF11A</b>	<p>(Top View)</p>	<p>(Top View)</p> <p><b>Note:</b> Track mounting is also possible.</p>
<b>PTF14A</b>	<p>(Top View)</p>	<p>(Top View)</p> <p><b>Note:</b> Track mounting is also possible.</p>
<b>PTF14A-E (Finger Protection Structure)</b>	<p>(Top View)</p>	<p><b>Note:</b> Track mounting is also possible.</p>

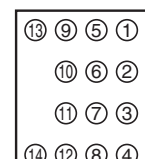
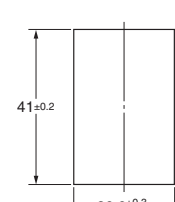
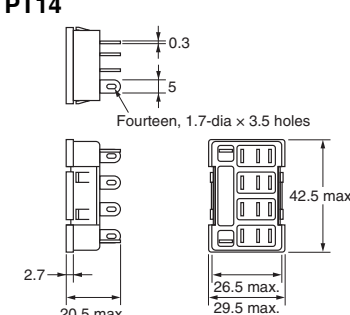
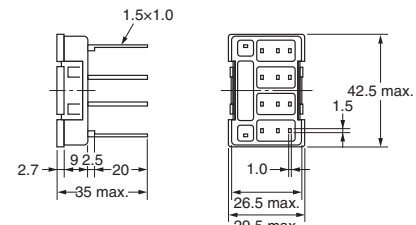
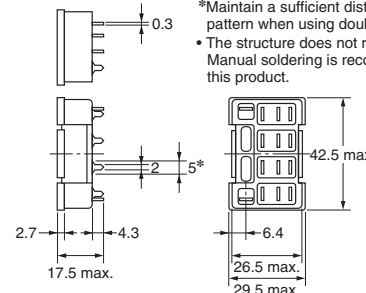
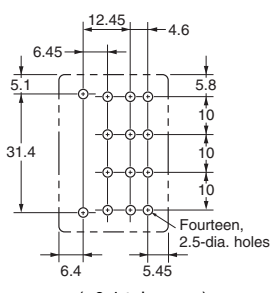
**Note:** If you use the PTF08A, PTF08A-E, or PTF08 with an LY1 Relay, connect the following terminal pairs: 1-2, 3-4, and 5-6 (for usage at 10 A or higher).



PT

(Unit: mm)

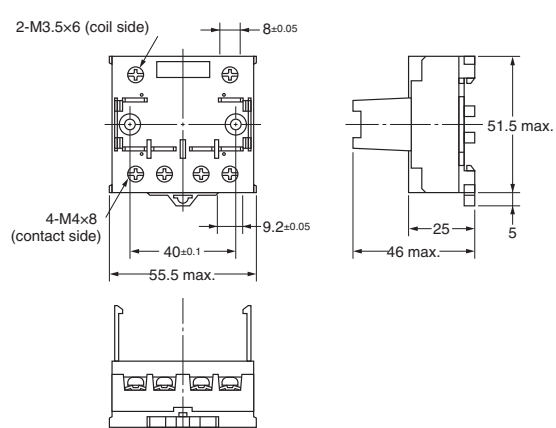
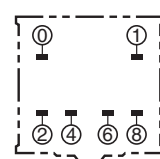
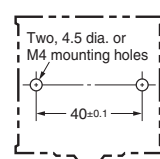
Dimensions		Terminal Arrangement/ Internal Connections	Mounting hole and PCB dimensions
<b>PT08</b>  2.7 0.3 5 20.5 max. Eight, 1.7-dia x 3.5 oblong holes 24 max. 2 25.5 max. 29.5 max.	<b>PT08QN</b>  1.5x1.0 2.7 9.25 20 35 max. 1.5 24 max. 1.0 25.5 max. 29.5 max. 2	 (Bottom View)	 25.8±0.2 21.4+0.2/0
<b>PT08-0</b>  0.3 2 2.7 18 max. 4.3 5* 22 max. 29.5 max. 6.5	<p>*Maintain a sufficient distance from the pattern when using double-sided PCBs.</p> <ul style="list-style-type: none"><li>• The structure does not resist flux. Manual soldering is recommended for this product.</li></ul>	 (Bottom View)	 15.6 10 5.35 4.6 12.45 6.45 6.5 3 Eight, 2.5-dia. holes (±0.1 tolerance)
<b>PT11</b>  0.3 5 2.7 20.5 max. Eleven, 1.7-dia x 3.5 holes 1.2 26.4 29.5 max. 30.6 32 max.	<b>PT11QN</b>  1.5x1.0 2.7 9.25 20 35 max. 1.2 26.4 29.5 max. 1.0 30.6 32 max.	 (Bottom View)	 31±0.2 26.6+0.3/0
<b>PT11-0</b>  0.3 2 2.7 18 max. 4.3 5* 29.5 max. 32 max. 6.2	<p>*Maintain a sufficient distance from the pattern when using double-sided PCBs.</p> <ul style="list-style-type: none"><li>• The structure does not resist flux. Manual soldering is recommended for this product.</li></ul>	 (Bottom View)	 12.45 6.45 4.6 Eleven, 2.5-dia. holes 5.2 21.4 10 10 5.8 6.2 5.65 (±0.1 tolerance)

Dimensions		Terminal Arrangement/ Internal Connections	Mounting hole and PCB dimensions
<b>PT14</b>	<b>PT14QN</b>	 (Bottom View)	
			
<b>PT14-0</b>	 <div><p>*Maintain a sufficient distance from the pattern when using double-sided PCBs.</p><ul style="list-style-type: none"><li>• The structure does not resist flux. Manual soldering is recommended for this product.</li></ul></div>		 <p>(±0.1 tolerance)</p>

**Note:** Use a panel with a thickness of 1 to 2 mm when mounting a Socket on it.

## P7LF

(Unit: mm)

Dimensions	Terminal Arrangement/ Internal Connections	Mounting Hole Dimensions
<b>P7LF-06</b> 	 (Top View)	

PF

(Unit: mm)

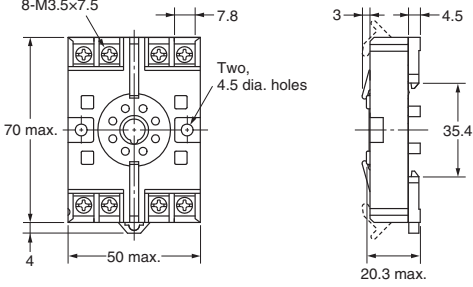
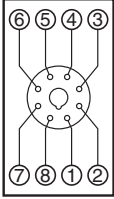
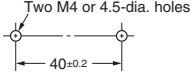
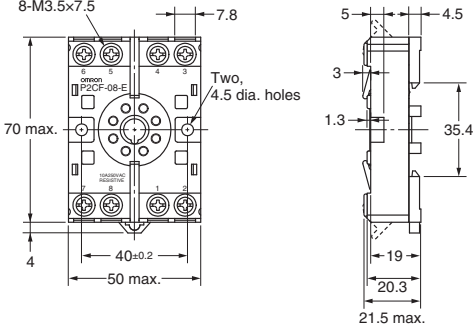
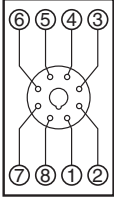
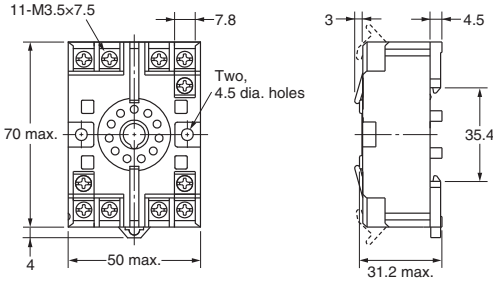
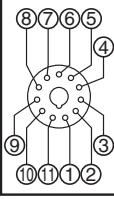
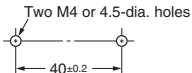
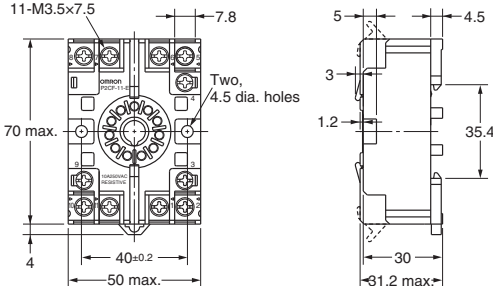
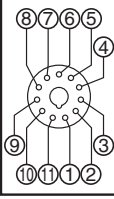
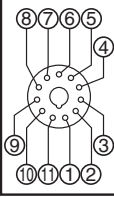
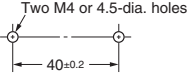
Dimensions	Terminal Arrangement/ Internal Connections	Mounting Hole Dimensions
<b>PF083A</b> 	 (Top View)	
<b>PF083A-E</b> 	 (Top View)	 <b>Note:</b> Track mounting is also possible.
<b>PF085A</b> 	 (Top View)	
<b>PF113A</b> 	 (Top View)	 <b>Note:</b> Track mounting is also possible.
<b>PF113A-E</b> 	 (Top View)	 <b>Note:</b> Track mounting is also possible.

**Note:** 1. For the PF083A and PF113A, the Socket key slot is on the top. (Applicable model: MK)

2. The structure of □-E models provides finger protection. Round terminals cannot be used. Use forked crimp terminals.

## P2CF

(Unit: mm)

Dimensions	Terminal Arrangement/ Internal Connections	Mounting Hole Dimensions
<p><b>P2CF-08</b></p> 	 <p>(Top View)</p>	 <p><b>Note:</b> Track mounting is also possible.</p>
<p><b>P2CF-08-E</b></p> 	 <p>(Top View)</p>	 <p><b>Note:</b> Track mounting is also possible.</p>
<p><b>P2CF-11</b></p> 	 <p>(Top View)</p>	 <p><b>Note:</b> Track mounting is also possible.</p>
<p><b>P2CF-11-E</b></p> 	 <p>(Top View)</p>	 <p><b>Note:</b> Track mounting is also possible.</p>

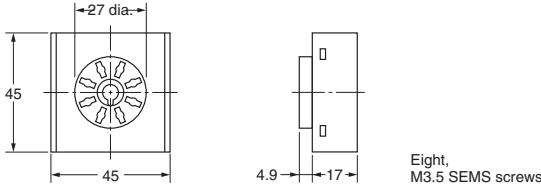
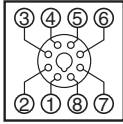
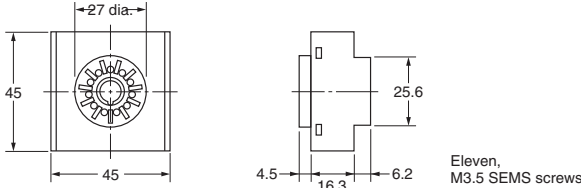
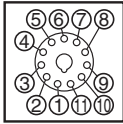
## PFA

(Unit: mm)

Dimensions	Terminal Arrangement/ Internal Connections	Mounting Hole Dimensions
<b>8PFA</b> 	 (Top View)	 <p>Two M4 or 4.5-dia. holes</p> <p>40±0.2</p> <p><b>Note:</b> Track mounting is also possible.</p>
<b>8PFA1</b> 	 (Top View)	 <p>Two M4 or 4.5-dia. holes</p> <p>40±0.2</p> <p><b>Note:</b> Track mounting is also possible.</p>
<b>11PFA</b> 	 (Top View)	 <p>Two M4 or 4.5-dia. holes</p> <p>40±0.2</p> <p><b>Note:</b> Track mounting is also possible.</p>
<b>14PFA</b> 	 (Top View)	 <p>Two, 4.5 dia. or M4 mounting holes</p> <p>60±0.2</p> <p><b>Note:</b> Track mounting is also possible.</p>

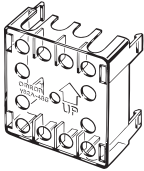
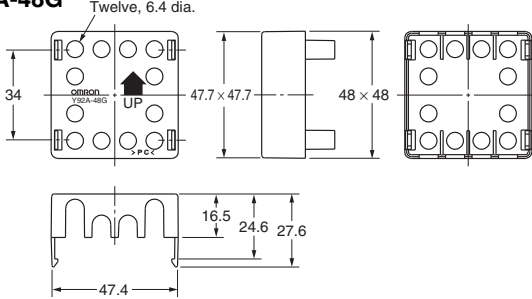
## P3G/P3GA

(Unit: mm)

Dimensions	Terminal Arrangement/ Internal Connections	Mounting Hole Dimensions
<b>P3G-08</b>  <p>Eight, M3.5 SEMS screws</p> <p><b>Note:</b> The Y92A-48G Terminal Cover can be used to implement finger protection.</p>	 <p>(Bottom View)</p>	---
<b>P3GA-11</b>  <p>Eleven, M3.5 SEMS screws</p> <p><b>Note:</b> The Y92A-48G Terminal Cover can be used to implement finger protection.</p>	 <p>(Bottom View)</p>	---

## Terminal Cover

(Unit: mm)

Appearance	Dimensions
	<b>Y92A-48G</b> <p>Twelve, 6.4 dia.</p> 

## PL

(Unit: mm)

Dimensions	Terminal Arrangement/ Internal Connections	Mounting hole and PCB dimensions (bottom view)
<b>PL08</b> 		<p>Two, 3.5 dia. or M3 device mounting holes</p> <p>Two, 3.5 or M3 Socket mounting holes</p> <p>31-dia. hole</p> <p>40±0.3</p> <p>L = 40 mm MK2(Z)P</p> <p>L = 74 mm PU, AMD-S, MM2(X)P, CZ, STP, H3L, TDS, DTS, DSP, TDF, TDV</p> <p>L = 86 mm 61F-GP/-APN, G4Q-212S, RD2P, RDA, TDA, AGF, SE, SAD, K2CU, SDV-F</p>
<b>PL08-Q</b> 	 (Bottom View)	<p>Two 3.5-dia. or two M3 Socket mounting holes</p> <p>31-dia. hole</p> <p>40±0.3</p> <p>MK2(Z)P</p>
<b>PLE08-0</b> 		<p>Two 3.5-dia. Hold-down Clip mounting holes</p> <p>45°</p> <p>40±0.1</p> <p>27.7±0.5 dia.</p> <p>Eight, 2.5-dia. holes</p> <p>MK2(Z)P</p>
<b>PL11</b> 		<p>Two, 3.5 dia. or M3 device mounting /Hold-down Clip mounting holes</p> <p>Two, 3.5 dia. or M3 Socket mounting holes</p> <p>31-dia. hole</p> <p>40±0.3</p> <p>L = 40 mm MK3P MK2KP</p> <p>L = 74 mm MM3P MK2(X)KP</p>
<b>PL11-Q</b> 	 (Bottom View)	<p>L = 42 mm MK3ZP MK3LP</p>
<b>PLE11-0</b> 		<p>Two, 3.5-dia. holes</p> <p>Applicable model/Hold-down Clip mounting holes</p> <p>360°</p> <p>28.7±0.5</p> <p>Eleven, 2.5-dia. holes</p> <p>L = 40 mm MK3P MK2KP</p> <p>L = 42 mm MK3ZP MK3LP</p>
<b>PL15</b> 	 (Bottom View)	<p>Two, 3.5 dia. or M3 device mounting holes</p> <p>Two, 3.5 dia. or M3 Socket mounting holes</p> <p>4.2-dia. hole</p> <p>74</p> <p>53</p> <p>MM3XP MM4(X)P MM3(X)KP MM4(X)KP</p>



Dimensions	Terminal Arrangement/ Internal Connections	Mounting hole and PCB dimensions (bottom view)
<b>PL20</b> 	<p>(Bottom View)</p>	<p>* Relay mounting holes are not required for the LDNP.</p>

**Note:** When mounting, pay due attention to the direction of the key groove of applicable Relays.

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