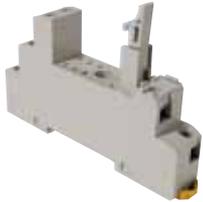


# General-purpose Relays and Power Relays Sockets



Relay Type	Track Mount Sockets	Back Connecting Sockets	
		Solder terminals	PCB terminals
<b>G2R-1-S</b>	P2RF-05 P2RF-05-E P2RF-05-S	P2R-05A	P2R-05P
<b>G2R-2-S</b>	P2RF-08 P2RF-08-E P2RF-08-S	P2R-08A	P2R-08P
<b>LY1, LY2</b>	PTF08A-E	PT08	PT08-0
<b>LY3</b>	PTF11A	PT11	PT11-0
<b>LY4</b>	PTF14A-E	PT14	PT14-0
<b>MK2</b>	PFO83A-E	PL08	PLR08-0
<b>MK3</b>	PF113A-E	PL11	PLE11-0
<b>MY2</b>	PYF08A-E PYF08A-N PYF08-S	PY08	PY08-02
<b>MY3</b>	PYF11A	PY11	PY11-02
<b>MY4</b>	PYF14A-E PYF14A-N PYF14S	PY14	PY14-02
<b>MY2K</b>	PYF14A-E	PY14	PY14-02
<b>MY4(Z)H</b>	PYF14A-E	-	-

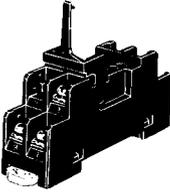
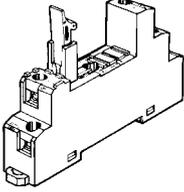
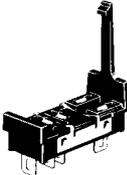
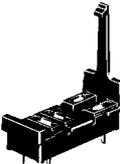
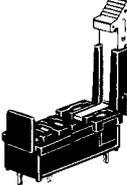
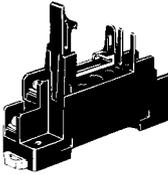
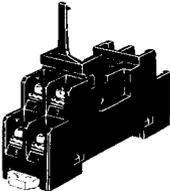
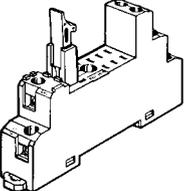
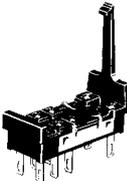
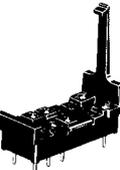
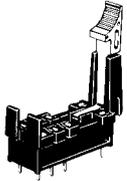


Relay Type	Mounting Bracket	Track Mount Adaptor	Track Mount Socket
<b>G7J-(ALL)</b>	R99-04-FOR-G5F W bracket	-	-
<b>G7L-1A-T</b>	R99-07G5D E bracket	P7LF-D	P7LF-06
<b>G7L-1A-TJ</b>			P7LF-06
<b>G7L-1A-B</b>			-
<b>G7L-1A-BJ</b>			-
<b>G7L-2A-T</b>			P7LF-06
<b>G7L-2A-TJ</b>			P7LF-06
<b>G7L-2A-B</b>			-
<b>G7L-2A-BJ</b>			-



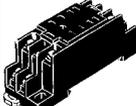
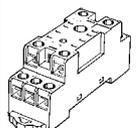
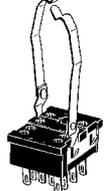
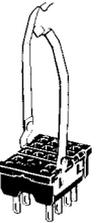
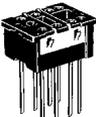
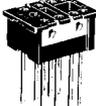
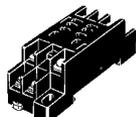
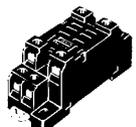
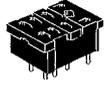
Mounting Track	Length
<b>PFP-100N</b>	1 meter
<b>PFP-50N</b>	.5 meter

### Square Sockets

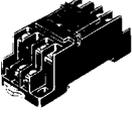
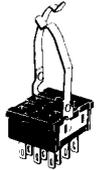
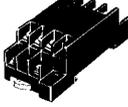
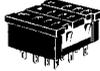
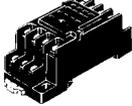
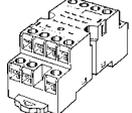
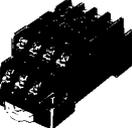
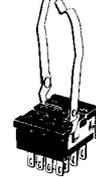
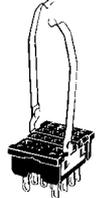
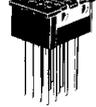
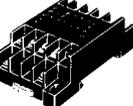
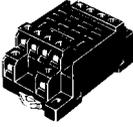
Item	P2RF (Track-mounting) *see page 246		P2R *see page 248			P7TF (Track-mounting) *see page 249
	Screw terminal		Solder terminal	PCB terminal		Screw terminal
5 pins	<b>P2RF-05</b> Approx. 27 g 	<b>P2RF-05-E</b> Approx. 38 g 	<b>P2R-05A</b> Approx. 5 g 	<b>P2R-05P</b> Approx. 5 g 	<b>P2R-057P</b> Approx. 5.5 g 	<b>P7TF-05</b> Approx. 28 g 
8 pins	<b>P2RF-08</b> Approx. 33 g 	<b>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: □-E Models are of finger-protect construction. Round terminals cannot be used. Use Y-shaped terminals.

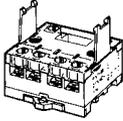
### Square Sockets

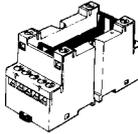
Item	PYF (Track-mounting) *see page 250	PY (back-connecting) *see page 252			PTF (Track-mounting) *see page 253	PT (back-connecting) *see page 255		
	Screw terminal	Solder terminal	Wrapping terminal	PCB terminal	Screw terminal	Solder terminal	Wrapping terminal	PCB terminal
8 pins	<b>PYF08A</b> Approx. 32 g   <b>PYF08A-E</b>   <b>PYF08A-N</b> 	<b>PY08</b> Approx. 8 g   <b>PY08-Y1</b>   <b>PY08-Y3</b> 	<b>PYQ08QN</b> Approx. 12 g   <b>PYQ08QN2</b>   <b>PYQ08QN-Y1</b> <b>PYQ08QN2-Y1</b> 	<b>PY08-02</b> Approx. 7.2 g 	<b>PTF08A</b> Approx. 39 g   <b>PTF08A-E</b> 	<b>PT08</b> Approx. 11 g 	<b>PT08QN</b> Approx. 10.4 g 	<b>PT08-0</b> Approx. 8 g 

Note: □-E and □-N Models are of finger-protect construction. Round terminals cannot be used. Use Y-shaped terminals.

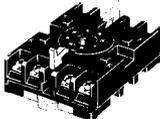
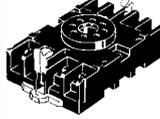
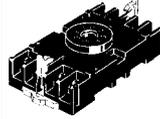
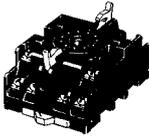
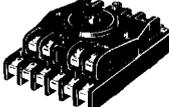
Item	PYF (Track-mounting) *see page 250	PY (back-connecting) *see page 252			PTF (Track-mounting) *see page 253	PT (back-connecting) *see page 255		
	Screw terminal	Solder terminal	Wrapping terminal	PCB terminal	Screw terminal	Solder terminal	Wrapping terminal	PCB terminal
11 pins	<b>PYF11A</b> Approx. 46 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</b> 	<b>PTF11A</b> Approx. 50 g 	<b>PT11</b> Approx. 13 g 	<b>PT11QN</b> 	<b>PT11-0</b> Approx. 12.2 g 
14 pins	<b>PYF14A</b> Approx. 49 g   <b>PYF14A-E</b>   <b>PYF14A-N</b>   <b>PYF14T</b> Approx. 53 g 	<b>PY14</b> Approx. 10 g   <b>PY14-Y1</b>   <b>PY14-Y2</b> 	<b>PY14QN</b> <b>PY14QN2</b> Approx. 14 g   <b>PY14QN-Y1</b> <b>PY14QN2-Y1</b> <b>PY14QN-Y2</b> <b>PY14QN2-Y2</b> 	<b>PY14-02</b> 	<b>PTF14A</b> Approx. 60 g   <b>PTF14A-E</b> 	<b>PT14</b> Approx. 17 g 	<b>PT14QN</b> Approx. 20 g 	<b>PT14-0</b> Approx. 16.2 g 

**Note:** □-E and □-N Models are of finger-protect construction. Round terminals cannot be used. Use Y-shaped terminals.

Item	P7LF (Track-mounting) *see page 256
	Screw terminal
6 pins	<b>P7LF-06</b> Approx. 60 g 

Item	P7S *see page 257		
	Screw terminal (Track-mounting)	Solder terminal	PCB terminal
14 pins	<b>P7S-14F</b> Approx. 75 g 	<b>P7S-14A</b> Approx. 10 g 	<b>P7S-14P</b> Approx. 10 g 

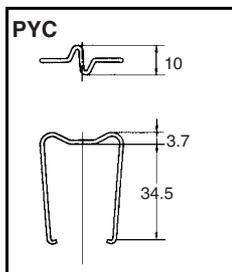
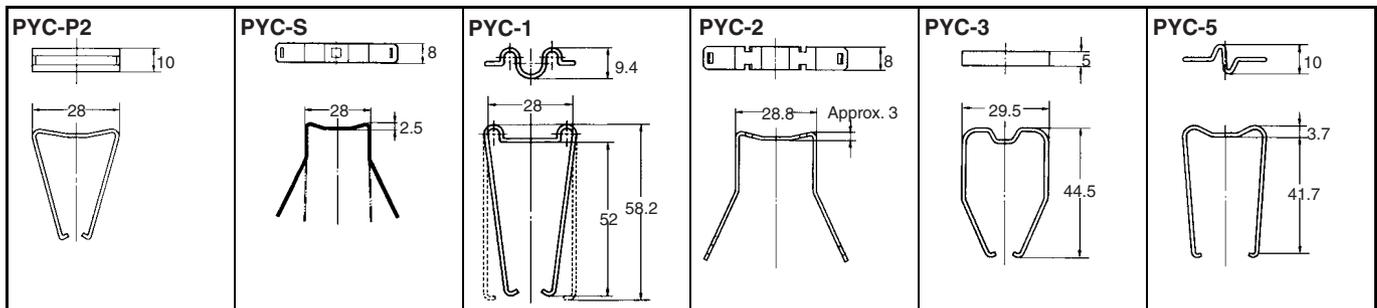
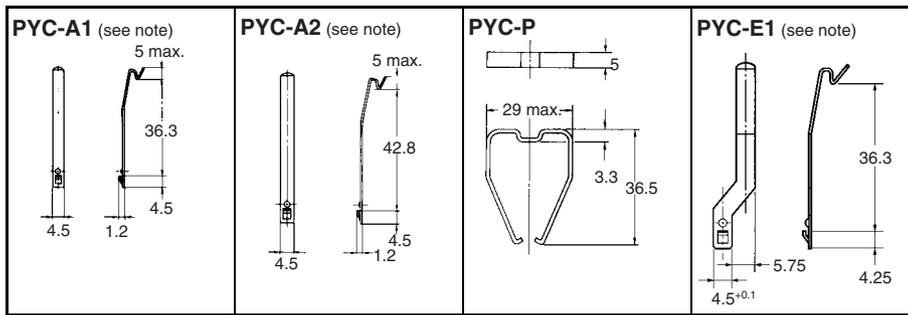
**Round Sockets**

Item	PF (Track-mounting) *see page 258	P2CF (Track-mounting)	PFA (Track-mounting)	P3G (Track-mounting)	PL (back-connecting) *see page 261		
					Solder terminal	Wrapping terminal	PCB terminal
8 pins	<p><b>PF083A</b> Approx. 34 g</p>  <p><b>PF083A-E</b></p>  <p><b>PF085A</b> Approx. 40 g</p> 	<p><b>P2CF-08</b> Approx. 55 g</p> 	<p><b>8PFA</b> Approx. 57 g</p>  <p><b>8PFA1</b> Approx. 66 g</p> 	<p><b>P3G-08</b> Approx. 40 g</p> 	<p><b>PL08</b> Approx. 14 g</p> 	<p><b>PL08-Q</b> Approx. 15 g</p> 	<p><b>PLE08-0</b> Approx. 10.6 g</p> 
11 pins	<p><b>PF113A</b> Approx. 47 g</p>  <p><b>PF113A-E</b></p> 	<p><b>P2CF-11</b> Approx. 70 g</p> 	<p><b>11PFA</b> Approx. 74 g</p> 	<p><b>P3GA-11</b> (see note) Approx. 47 g</p> 	<p><b>PL11</b> Approx. 15 g</p> 	<p><b>PL11-Q</b> Approx. 18.5 g</p> 	<p><b>PLE11-0</b> Approx. 10.8 g</p> 
14 pins	---	---	<p><b>14PFA</b> Approx. 104 g</p> 	---	<p><b>PL15</b> Approx. 28 g</p> 	---	---
20 pins	<p><b>PF202</b> Approx. 170 g</p> 	---	---	---	<p><b>PL20</b> Approx. 17 g</p> 	---	---

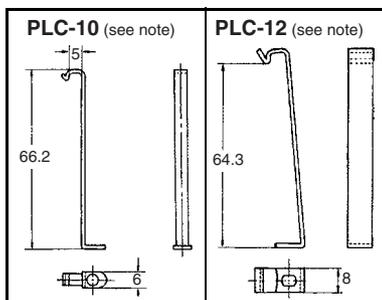
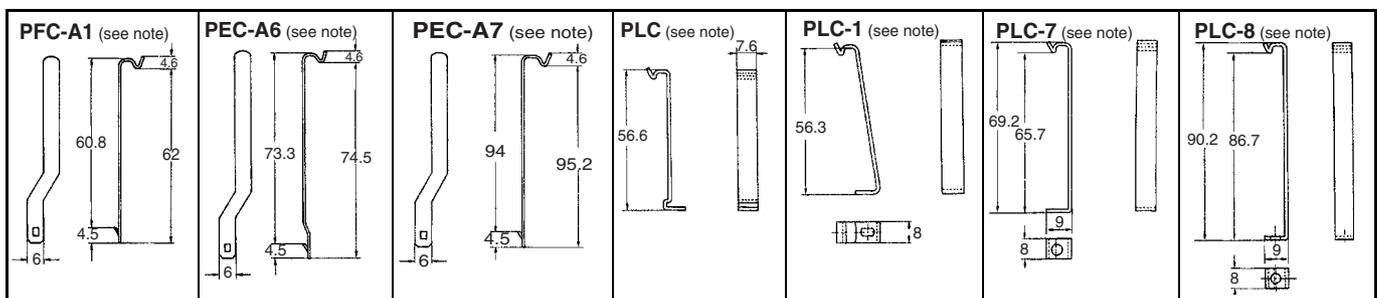
**Note:** This model succeeds the P3G-11 for which production was stopped in March 1991.

## ■ Hold-down Clips

### For Square Sockets



### For Round Sockets



**Note:** There are 2 pieces per set.

## ■ Models Used with Sockets

Group	Model	Pin No.	Socket	
			Front-connecting	Back-connecting
MY(K)	MY2	8	PYF	PY
	MY3	11		
	MY4, MY2K	14		
LY	LY1, LY2	8	PTF	PT
	LY3	11		
	LY4	14		
G2A(K)	G2A, G2A-434, G2AK	14	PYF	PY
MK(K)	MK2P	8	PF083A(-E)	PL
	MK3P, MK2KP	11	PF113A(-E)	
MM(K)	MM2(X)P	8	8PFA	
	MM3P, MM2(X)KP	11	PFA	
	MM3XP, MM3(X)KP, MM4(X)P, MM4(X)KP	14		
G4Q	---	8	8PFA1	
G7L	G7L-□A-T(J)	6	P7LF	---

## ■ Models Used with Hold-down Clips

### Square Sockets

Item	PYF□A(-E, -N), PTF□A(-E)	PY□(QN), PT□(QN)	PY□-02, PT□-0
MY( ), MY( )N, MY( )N-D2, MY( )N-CR, MY2K, LY( ), LY( )N, G3H, G3F, G3FD, G3FM	PYC-A1	PYC-P, PYC-S	PYC-P
MY4IN		PYC-P, PYC-P2	PYC-P, PYC-P2
MY2IN	PYC-E1	PYC-P2	PYC-P2
LY( )-CR	Y92H-3	PYC-1	PYC-1
G2A(K) Series	PYC-A2	PYC-2, PYC-3, PYC-5	PYC-3, PYC-5

Note: Pin numbers 08, 11, or 14 apply to □.

### Round Sockets

Item	PF083A, PF113A	PL08(-Q), PL11(-Q)	PLE08-0, PLE11-0
MK2P Series, MK2KP, MK3P□ (-US), G3B	PFC-A1	PLC	PLC-10
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	---

Note: 1. 8PFA(I), 11PFA, and 14PFA has hooks that can hold a Relay.

2. PL15, PL20, PF202, and Sockets that are not listed in the above table should be mounted to a panel after opening mounting holes on the panel.
3. A Hold-down Clip for PF085A is sold together with Relays that can be used with PF085A.

## ■ Socket Performance Characteristics

Item	Carry current	Dielectric strength	Insulation resistance (see note 2)
P2RF-05(-E)	10 A	Between contacts of same polarity: 1,000 VAC for 1 min Between coil and contact: 4,000 VAC for 1 min	1,000 MΩ min.
P2RF-08(-E)	5 A	Between contact of different polarity: 3,000 VAC for 1 min Between contacts of same polarity: 1,000 VAC for 1 min Between coil and contact: 4,000 VAC for 1 min	1,000 MΩ min.
P2R-057P	10 A	Between contacts of same polarity: 1,000 VAC for 1 min Between coil and contact: 5,000 VAC for 1 min	1,000 MΩ min.
P2R-087P	5 A	Between contact of different polarity: 3,000 VAC for 1 min Between contacts of same polarity: 1,000 VAC for 1 min Between coil and contact: 5,000 VAC for 1 min	1,000 MΩ min.
P2R-05A	10 A	Between contacts of same polarity: 1,000 VAC for 1 min Between ground terminal and other terminals: 1,500 VAC for 1 min Between coil and contact: 4,000 VAC for 1 min	1,000 MΩ min.
P2R-08A	5 A	Between contact of different polarity: 3,000 VAC for 1 min Between contacts of same polarity: 1,000 VAC for 1 min Between ground terminal and other terminals: 1,500 VAC for 1 min Between coil and contact: 4,000 VAC for 1 min	1,000 MΩ min.
P7TF-05	5 A	Between terminals: 2,000 VAC for 1 min	100 MΩ min.
PYF08A-E	7 A	Between terminals: 2,000 VAC for 1 min	1,000 MΩ min.
PYF08A-N	7 A (see note 3)	Between terminals: 2,000 VAC for 1 min	1,000 MΩ min.
PYF11A	5 A	Between terminals: 2,000 VAC for 1 min	1,000 MΩ min.
PYF14A-E	5 A	Between terminals: 2,000 VAC for 1 min	1,000 MΩ min.
PYF14A-N	5 A (see note 3)	Between terminals: 2,000 VAC for 1 min	1,000 MΩ min.
PY08(-Y1)	7 A	Between terminals: 1,500 VAC for 1 min	100 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)	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	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.

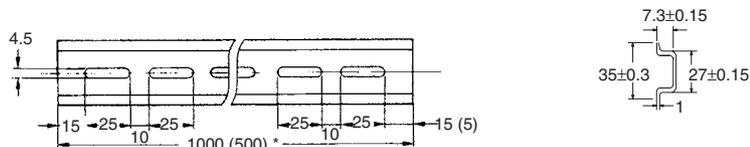
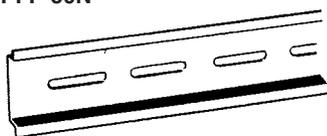
Item	Carry current	Dielectric strength	Insulation resistance (see note 2)
P7LF-06	30 A	Between contact of different polarity: 2,000 VAC for 1 min Between contacts of same polarity: 2,000 VAC for 1 min Between coil and contact: 4,000 VAC for 1 min	1,000 MΩ min.
PF□□□A	5 A	Between terminals: 2,000 VAC for 1 min	1,000 MΩ min.
P2CF	5 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.
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.
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.
P6D-04P	5 A	Between contacts of same polarity: 1,000 VAC for 1 min Between coil and contact: 3,000 VAC for 1 min	100 MΩ min.
P7S-14□	6 A	Between terminals: 2,500 VAC for 1 min Between ground terminal and other terminals (P7S-14A): 2,000 VAC for 1 min	100 MΩ min.

- Note:**
1. The values given above are initial values.
  2. The values for insulation resistance were measured at 500 V at the same place as the dielectric strength.
  3. The maximum operating ambient temperature for the PYF08A-N and PYF14A-N is 55°C. When using the PYF08A-N or PYF14A-N at an operating ambient temperature exceeding 40°C, reduce the current to 60%.

## Track and Accessories

### Mounting Track

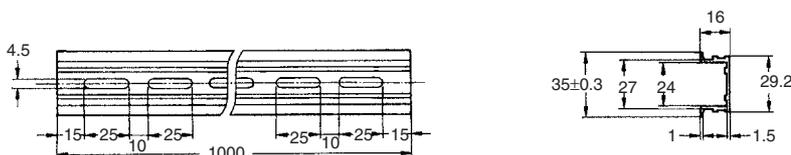
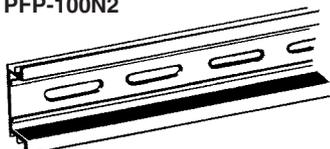
PFP-100N  
PFP-50N



**Note:** The figure in the parentheses is for PFP-50N.

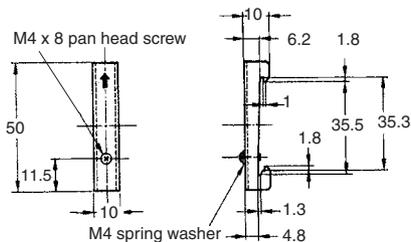
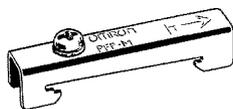
### Mounting Track

PFP-100N2



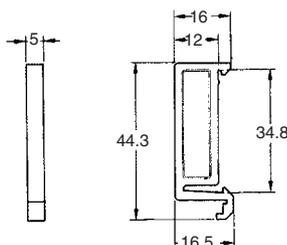
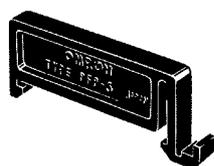
### End Plate

PFP-M



### Spacer

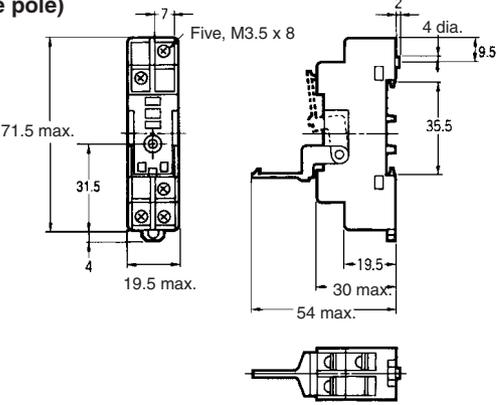
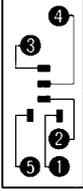
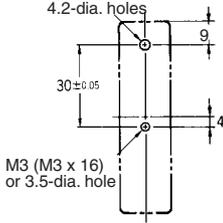
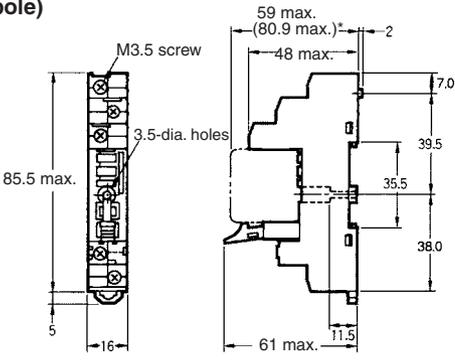
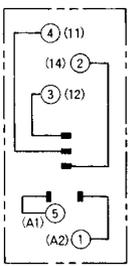
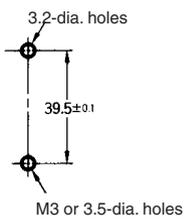
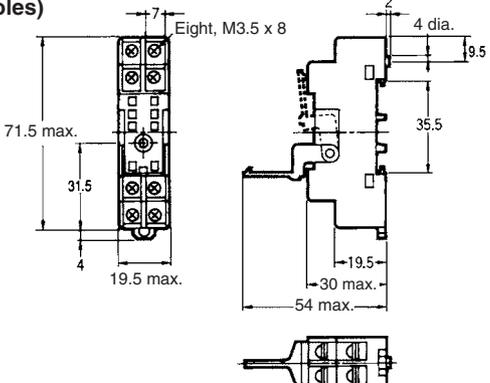
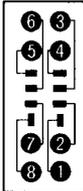
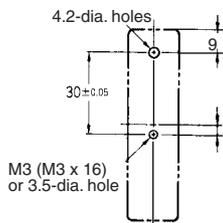
PFP-S



# Dimensions

Note: All units are in millimeters unless otherwise indicated.

## ■ P2RF

Dimensions	Terminal arrangement/Internal connections (top view)	Mounting holes (top view)
<p><b>P2RF-05 (One pole)</b></p> 		 <p>Note: Track-mounting is also possible.</p>
<p><b>P2RF-05-E (One pole)</b></p>  <p>* When mounted on H3RN-1□.</p>	 <p>Note: Figures in parentheses are DIN standard numbers.</p>	 <p>Note: Track-mounting is also possible.</p>
<p><b>P2RF-08 (Two poles)</b></p> 		 <p>Note: Track-mounting is also possible.</p>

Dimensions	Terminal arrangement/ Internal connections (top view)	Mounting holes (top view)
<p><b>P2RF-08-E (Two poles)</b></p> <p>* When mounted on H3RN-2□.</p>	<p><b>Note:</b> Figures in parentheses are DIN standard numbers.</p>	<p><b>Note:</b> Track-mounting is also possible.</p>

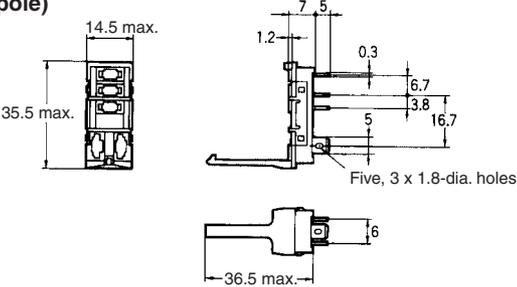
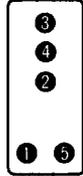
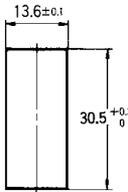
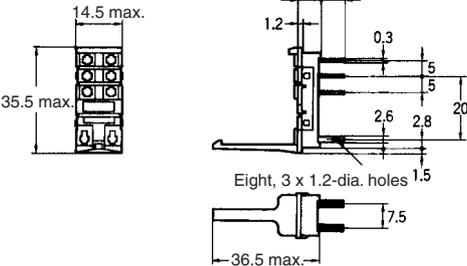
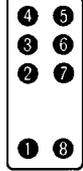
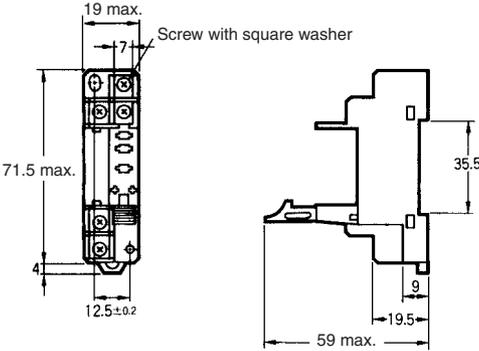
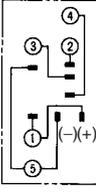
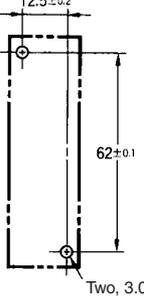
**Note:** When indicator modules with an I/O SSR are used, the No. 1 pin becomes positive.

■ P2R

Dimensions	Terminal arrangement/ Internal connections (bottom view)	Mounting holes (bottom view)
<p><b>P2R-05P (One pole)</b></p>		
<p><b>P2R-08P (Two poles)</b></p>		
<p><b>P2R-057P (One pole)</b></p>		
<p><b>P2R-087P (Two poles)</b></p>		

**Note:** When indicator modules with an I/O SSR are used, the No. 1 pin becomes positive.

■ P2R/P7TF

Dimensions	Terminal arrangement/ Internal connections	Mounting holes
<p><b>P2R-05A (One pole)</b></p>  <p>Five, 3 x 1.8-dia. holes</p>	 <p>(Bottom view)</p>	 <p>Use panel with thickness of 1.6 to 2.0 mm.</p>
<p><b>P2R-08A (Two poles)</b></p>  <p>Eight, 3 x 1.2-dia. holes 1.5</p>	 <p>(Bottom view)</p>	<p>Use panel with thickness of 1.6 to 2.0 mm.</p>
<p><b>P7TF-05</b></p>  <p>Screw with square washer</p>	 <p>(Top view)</p>	 <p>Two, 3.0 dia.</p> <p><b>Note:</b> Track-mounting is also possible.</p>

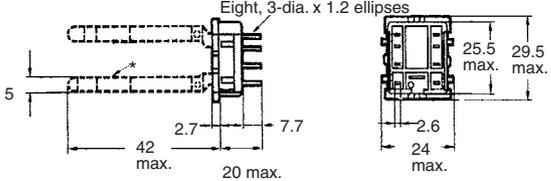
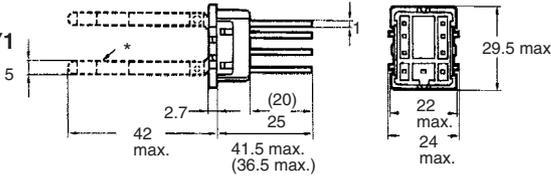
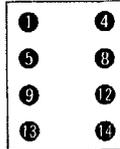
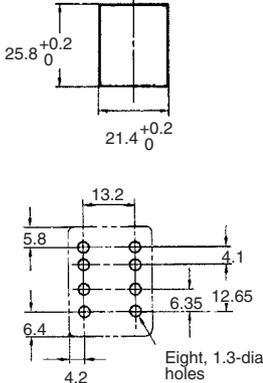
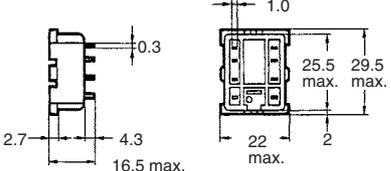
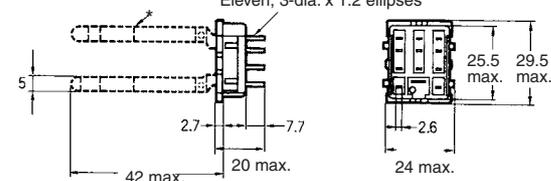
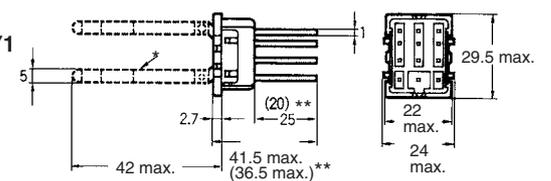
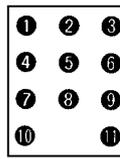
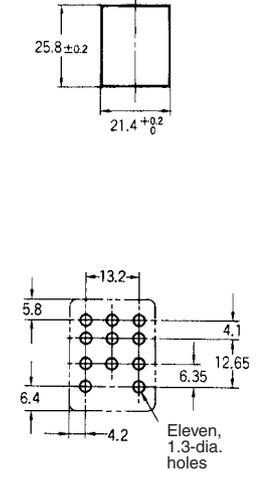
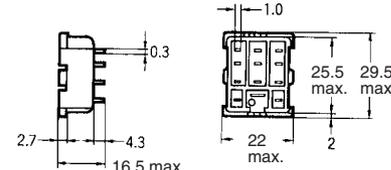
**Note:** When indicator modules with an I/O SSR are used, the No. 1 pin becomes positive.

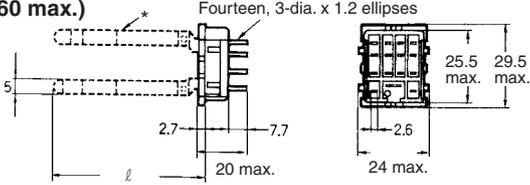
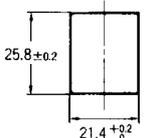
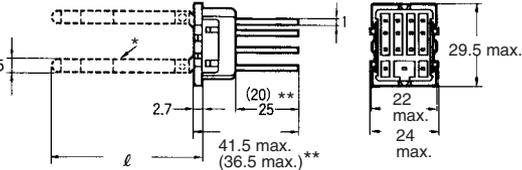
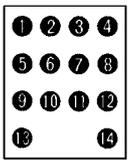
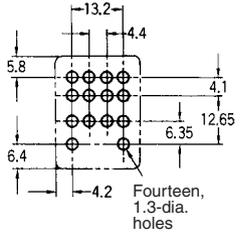
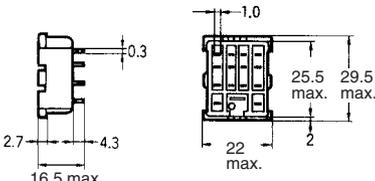
■ PYF Dimensions

Dimensions	Terminal arrangement/ Internal connections (top view)	Mounting holes (top view)
<p><b>PYF08A</b></p> <p>Two, 4.2 x 5 mounting holes</p> <p>Eight, M3 x 8 sems screws</p> <p>72 max.</p> <p>23 max.</p> <p>3.4</p> <p>35.4</p> <p>16.5</p> <p>6</p> <p>30 max.</p>		<p>Two, M3, M4, or 4.5-dia. holes</p> <p>59±0.3</p> <p>15±0.2</p> <p><b>Note:</b> Track-mounting is also possible.</p>
<p><b>PYF08A-E</b></p> <p>Two, 4.2 x 5 mounting holes</p> <p>Eight, M3 x 8 sems</p> <p>72 max.</p> <p>23 max.</p> <p>3.4</p> <p>35.4</p> <p>16.5</p> <p>6</p> <p>31 max.</p>		<p>Two, M3 or M4 (or 4.5-dia.) holes</p> <p>59±0.3</p> <p>15±0.1</p> <p><b>Note:</b> Track-mounting is also possible.</p>
<p><b>PYF08A-N</b></p> <p>22 max.</p> <p>67 max.</p> <p>73</p> <p>30 max.</p>		<p>3.0 dia.</p> <p>18.7</p> <p>3.5 dia. or M3</p> <p><b>Note:</b> Track-mounting is also possible. Refer to page 245 for Mounting Tracks.</p>
<p><b>PYF11A</b></p> <p>Two, 4.2 x 5 mounting holes</p> <p>Eleven, M3 x 8 sems</p> <p>72 max.</p> <p>29.5 max.</p> <p>3.4</p> <p>35.4</p> <p>16.5</p> <p>6</p> <p>30 max.</p>		<p>Two, M3 or M4 (or 4.5-dia.) holes</p> <p>59±0.3</p> <p>22±0.2</p> <p><b>Note:</b> Track-mounting is also possible.</p>

Dimensions	Terminal arrangement/ Internal connections (top view)	Mounting holes (top view)
<p><b>PYF14A</b></p> <p>Two, 4.2 x 5 mounting holes</p> <p>72 max.</p> <p>29.5 max.</p> <p>Fourteen, M3 x 8 sems</p> <p>30 max.</p> <p>35.4</p> <p>3.4</p> <p>16.5</p> <p>6</p> <p>4</p>		<p>Two, M3 or M4 (or 4.5-dia.) holes</p> <p>59±0.3</p> <p>22±0.2</p>
<p><b>PYF14A-E</b></p> <p>Two, 4.2 x 5 mounting holes</p> <p>72 max.</p> <p>29.5 max.</p> <p>Fourteen, M3 x 8 sems</p> <p>31 max.</p> <p>35.4</p> <p>3.4</p> <p>16.5</p> <p>6</p> <p>4</p>		<p><b>Note:</b> Track-mounting is also possible.</p>
<p><b>PYF14A-N</b></p> <p>67 max.</p> <p>73</p> <p>29.5 max.</p> <p>30 max.</p>	<p>42 32 22 12</p> <p>44 34 24 14</p> <p>8 7 6 5</p> <p>12 11 10 9</p> <p>41 31 21 11</p> <p>14 14 13</p> <p>A2 A2 A1</p>	<p>Two, 4.5 dia. or M4</p> <p>26</p> <p><b>Note:</b> Track-mounting is also possible. Refer to page 245 for Mounting Tracks.</p>
<p><b>PYF14T</b></p> <p>Two, 4.2 x 5 dia. mounting holes</p> <p>70 max.</p> <p>33 max.</p> <p>17.4</p> <p>Fourteen, M3 x 8 sems</p> <p>35.5</p> <p>30</p> <p>23.5</p> <p>11.5</p> <p>11</p> <p>17.8</p> <p>10</p> <p>4</p>		<p>Two, M4</p> <p>59</p> <p>24.5</p> <p><b>Note:</b> Track-mounting is also possible.</p>

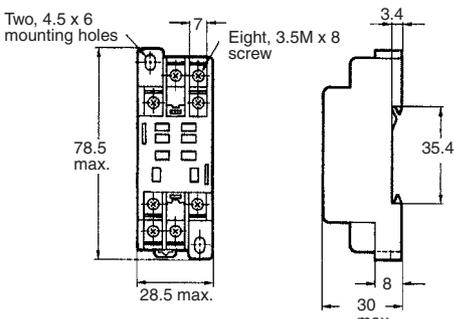
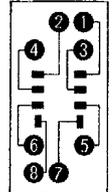
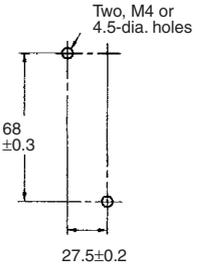
■ PY Dimensions

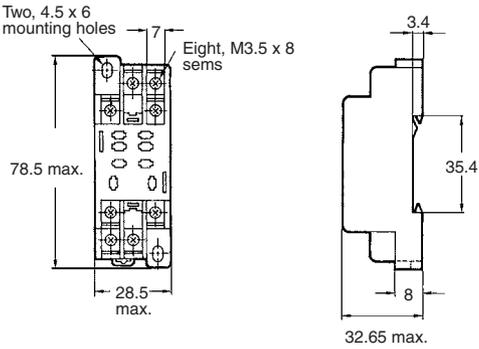
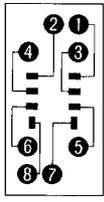
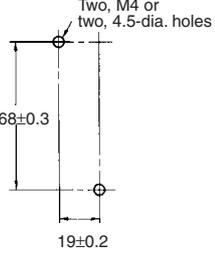
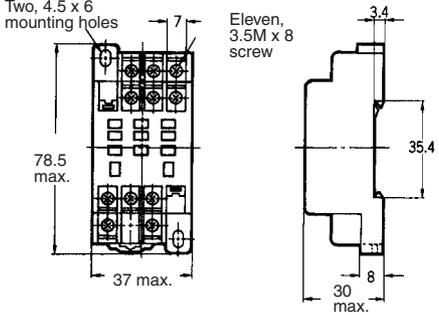
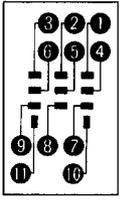
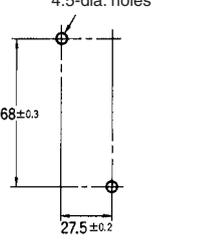
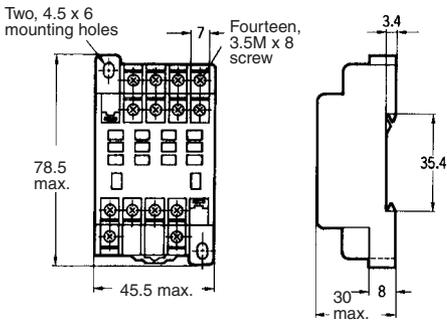
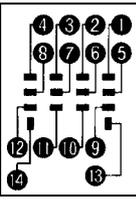
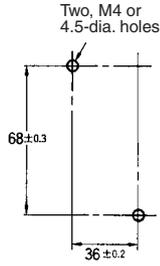
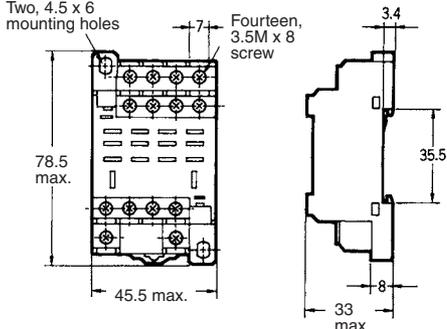
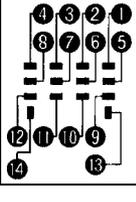
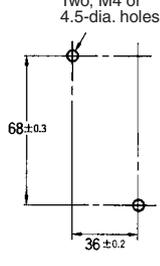
Dimensions	Terminal arrangement/ Internal connections (bottom view)	Mounting holes
<p><b>PY08</b> <b>PY08-Y1</b> <b>PY08-Y3</b></p>  <p>Eight, 3-dia. x 1.2 ellipses</p> <p>Note: PY08-Y1 includes the part outlined by the dashed lines above.</p>		
<p><b>PY08QN</b> <b>PY08QN2</b> <b>PY08QN-Y1</b> <b>PY08QN2-Y1</b></p>  <p>Note: 1. PY08QN(2)-Y1 includes the part outlined by the dashed lines above. 2. The figures in the parentheses are for PY08QN2.</p>		
<p><b>PY08-02</b></p>  <p>Note: PY08-Y1 includes the part outlined by the dashed lines above.</p>		
<p><b>PY11</b> <b>PY11-Y1</b></p>  <p>Eleven, 3-dia. x 1.2 ellipses</p> <p>Note: PY11-Y1 includes the part outlined by the dashed lines above.</p>		
<p><b>PY11QN</b> <b>PY11QN2</b> <b>PY11QN-Y1</b> <b>PY11QN2-Y1</b></p>  <p>Note: 1. PY11QN(2)-Y1 includes the part outlined by the dashed lines above. 2. The figures in the parentheses are for PY11QN2 (-Y1).</p>		
<p><b>PY11-02</b></p> 		

Dimensions	Terminal arrangement/ Internal connections (bottom view)	Mounting holes
<p><b>PY14</b>  <b>PY14-Y1</b> (<math>\ell=42</math> max.)  <b>PY14-Y3</b> (<math>\ell=60</math> max.)</p>  <p>Note: PY14-Y1 includes the part outlined by the dashed lines above.</p>		
<p><b>PY14QN, PY14QN2</b>  <b>PY14QN-Y1</b> (<math>\ell=42</math> max.)  <b>PY14QN2-Y1</b> (<math>\ell=42</math> max.)  <b>PY14QN-Y2</b> (<math>\ell=49</math> max.)  <b>PY14QN2-Y2</b> (<math>\ell=49</math> max.)  <b>PY14QN-Y3</b> (<math>\ell=60</math> max.)  <b>PY14QN2-Y3</b> (<math>\ell=60</math> max.)</p>  <p>Note: 1. PY14QN(2)-Y1 includes the part outlined by the dashed lines above.  2. The figures in the parentheses are for PY14QN2 (-Y1).</p>		
<p><b>PY14-02</b></p> 		

- Note:**
1. Use a panel with a thickness of 1 to 2 mm when mounting a Socket on it.
  2. The PY14-Y1 and the PY14QN-Y1 can be used with MY4-series models and the MY2K.

## PTF Dimensions

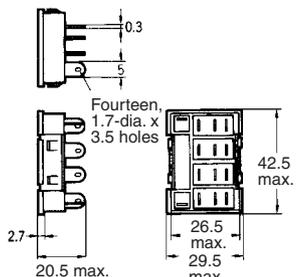
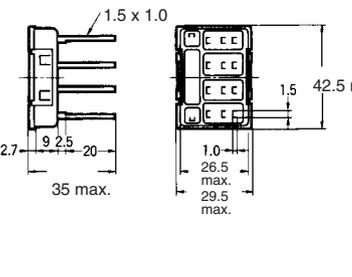
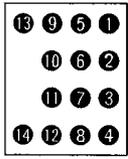
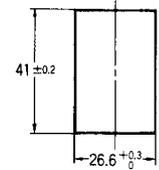
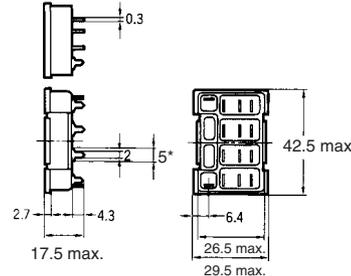
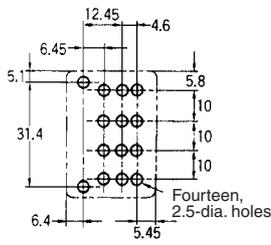
Dimensions	Terminal arrangement/ Internal connections (top view)	Mounting holes (top view)
<p><b>PTF08A</b></p> 		 <p>Note: Track-mounting is available. See page 245.</p>

Dimensions	Terminal arrangement/ Internal connections (top view)	Mounting holes (top view)
<p><b>PTF08A-E</b></p>  <p>Two, 4.5 x 6 mounting holes</p> <p>Eight, M3.5 x 8 sems</p> <p>78.5 max.</p> <p>28.5 max.</p> <p>3.4</p> <p>35.4</p> <p>8</p> <p>32.65 max.</p>		 <p>Two, M4 or 4.5-dia. holes</p> <p>68±0.3</p> <p>19±0.2</p> <p><b>Note:</b> Track-mounting is available. See page 245.</p>
<p><b>PTF11A</b></p>  <p>Two, 4.5 x 6 mounting holes</p> <p>Eleven, 3.5M x 8 screw</p> <p>78.5 max.</p> <p>37 max.</p> <p>3.4</p> <p>35.4</p> <p>8</p> <p>30 max.</p>		 <p>Two, M4 or 4.5-dia. holes</p> <p>68±0.3</p> <p>27.5±0.2</p> <p><b>Note:</b> Track-mounting is available. See page 245.</p>
<p><b>PTF14A</b></p>  <p>Two, 4.5 x 6 mounting holes</p> <p>Fourteen, 3.5M x 8 screw</p> <p>78.5 max.</p> <p>45.5 max.</p> <p>3.4</p> <p>35.4</p> <p>8</p> <p>30 max.</p>		 <p>Two, M4 or 4.5-dia. holes</p> <p>68±0.3</p> <p>36±0.2</p>
<p><b>PTF14A-E</b></p>  <p>Two, 4.5 x 6 mounting holes</p> <p>Fourteen, 3.5M x 8 screw</p> <p>78.5 max.</p> <p>45.5 max.</p> <p>3.4</p> <p>35.5</p> <p>8</p> <p>33 max.</p>		 <p>Two, M4 or 4.5-dia. holes</p> <p>68±0.3</p> <p>36±0.2</p> <p><b>Note:</b> Track-mounting is available. See page 245.</p>

**Note:** If PTF08A and PT08 are used in combination with LY1 with a total current flow of 10 A minimum, terminals 1 and 2, 3 and 4, 5 and 6 respectively should be short-circuited.

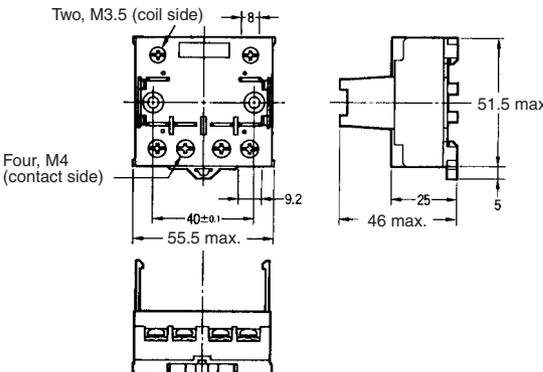
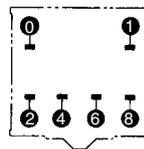
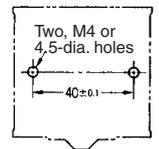
■ PT Dimensions

Dimensions	Terminal arrangement/ Internal connections (bottom view)	Mounting holes
<p><b>PT08</b></p> <p>Eight, 1.7-dia. x 3.5 ellipses</p>		
<p><b>PT08-0</b></p> <p>*Keep a proper distance between the Socket and PCB patterns.</p>		<p>The tolerance is <math>\pm 0.1</math>.</p>
<p><b>PT11</b></p> <p>Eleven, 1.7-dia. x 3.5 holes</p>		
<p><b>PT11-0</b></p> <p>*Keep a proper distance between the Socket and PCB patterns.</p>		<p>The tolerance is <math>\pm 0.1</math>.</p>

Dimensions	Terminal arrangement/ Internal connections (bottom view)	Mounting holes
<p><b>PT14</b></p>  <p><b>PT14QN</b></p> 		
<p><b>PT14-0</b></p>  <p>*Keep a proper distance between the Socket and PCB patterns.</p>		 <p>The tolerance is <math>\pm 0.1</math>.</p>

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

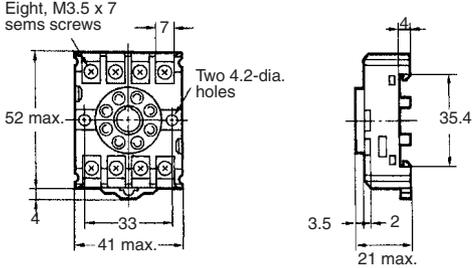
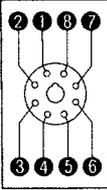
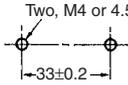
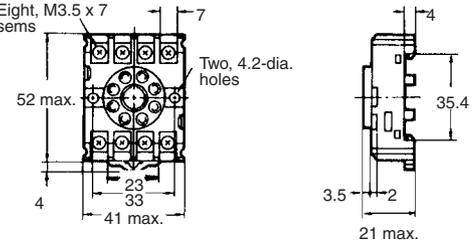
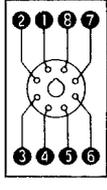
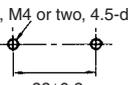
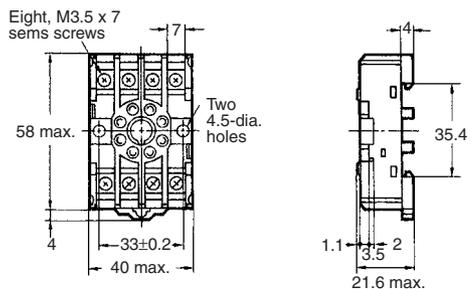
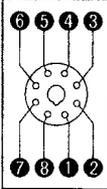
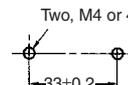
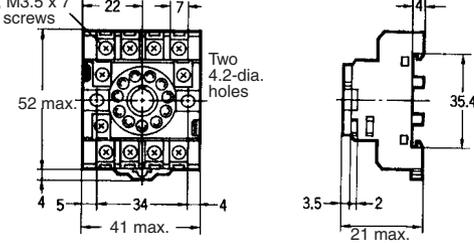
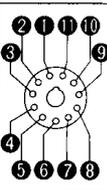
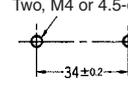
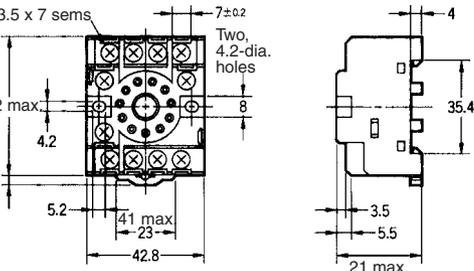
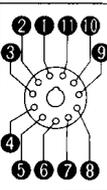
## ■ P7LF Dimensions

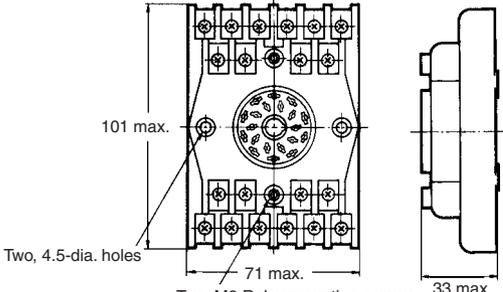
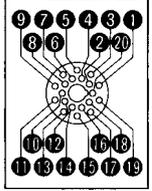
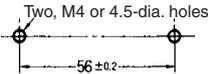
Dimensions	Terminal arrangement/ Internal connections (top view)	Mounting holes
<p><b>P7LF-06</b></p> 		

■ P7S Dimensions

Dimensions	Terminal arrangement/ Internal connections	Mounting holes
<p><b>P7S-14F</b></p> <p>Fourteen, M3.0</p>	<p>(top view)</p>	<p>Two, M3.5 or 4.0-dia. holes</p>
<p><b>P7S-14A</b></p>	<p>G7S-4A2B</p> <p>G7S-3A3B</p> <p>(bottom view)</p>	
<p><b>P7S-14P</b></p> <p>Two, 6.5 dia. × 7.9</p>	<p>G7S-4A2B</p> <p>G7S-3A3B</p> <p>(bottom view)</p>	<p>Two, 3.6 dia. Fourteen, 1.8 dia.</p>

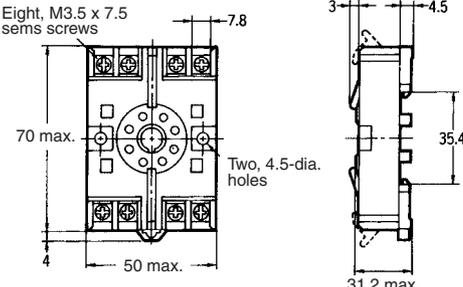
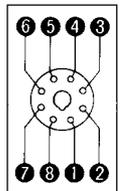
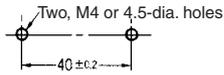
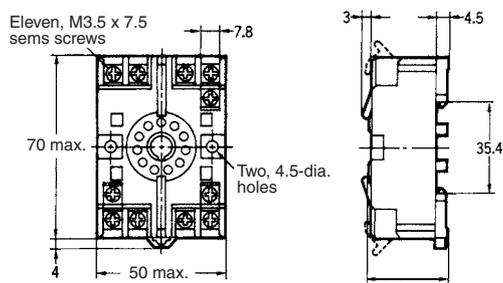
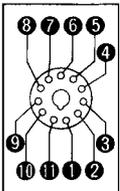
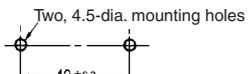
■ PF Dimensions

Dimensions	Terminal arrangement/ Internal connections (top view)	Mounting holes
<p><b>PF083A</b></p> 		 <p><b>Note:</b> Track-mounting is available. See page 245.</p>
<p><b>PF083A-E</b></p> 		
<p><b>PF085A</b></p> 		 <p><b>Note:</b> Track-mounting is available. See page 245.</p>
<p><b>PF113A</b></p> 		
<p><b>PF113A-E</b></p> 		<p><b>Note:</b> Track-mounting is available. See page 245.</p>

Dimensions	Terminal arrangement/ Internal connections (top view)	Mounting holes
<p><b>PF202</b></p>  <p>101 max.</p> <p>Two, 4.5-dia. holes</p> <p>71 max.</p> <p>Two, M3 Relay mounting screws</p> <p>33 max.</p>		 <p>Two, M4 or 4.5-dia. holes</p> <p>56 ± 0.2</p>

**Note:** The key groove of PF083A and PF113A (used with MK Relays) are on the upside.

## ■ P2CF/PFA Dimensions

Dimensions	Terminal arrangement/ Internal connections (top view)	Mounting holes
<p><b>P2CF-08</b></p>  <p>Eight, M3.5 x 7.5 sems screws</p> <p>7.8</p> <p>70 max.</p> <p>Two, 4.5-dia. holes</p> <p>4</p> <p>50 max.</p> <p>3</p> <p>4.5</p> <p>35.4</p> <p>31.2 max.</p>		 <p>Two, M4 or 4.5-dia. holes</p> <p>40 ± 0.2</p> <p><b>Note:</b> Track-mounting is available. See page 245.</p>
<p><b>P2CF-11</b></p>  <p>Eleven, M3.5 x 7.5 sems screws</p> <p>7.8</p> <p>70 max.</p> <p>Two, 4.5-dia. holes</p> <p>4</p> <p>50 max.</p> <p>3</p> <p>4.5</p> <p>35.4</p> <p>31.2 max.</p>		 <p>Two, 4.5-dia. mounting holes</p> <p>40 ± 0.2</p> <p><b>Note:</b> Track-mounting is available. See page 245.</p>

Dimensions	Terminal arrangement/ Internal connections (top view)	Mounting holes
<p><b>8PFA</b></p>		<p><b>Note:</b> Track-mounting is available. See page 245.</p>
<p><b>8PFA1</b></p>		<p><b>Note:</b> Track-mounting is available. See page 245.</p>

■ PFA/P3G/P3GA Dimensions

Dimensions	Terminal arrangement/ Internal connections (top view)	Mounting holes
<p><b>11PFA</b></p>		<p><b>Note:</b> Track-mounting is available. See page 245.</p>
<p><b>14PFA</b></p>		<p><b>Note:</b> Track-mounting is available. See page 245.</p>

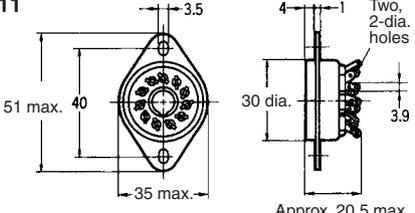
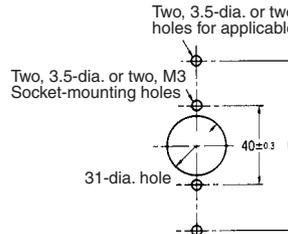
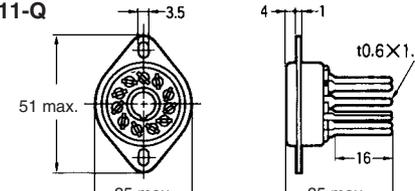
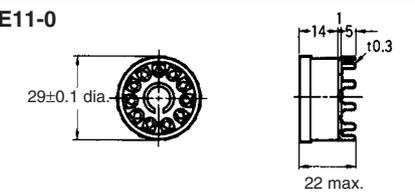
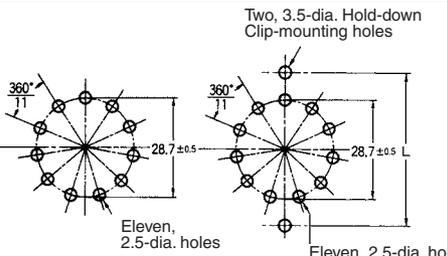
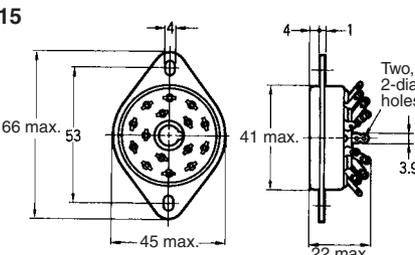
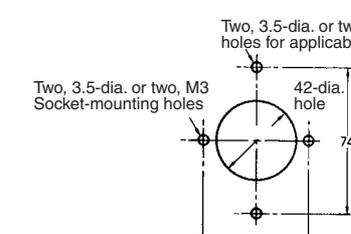
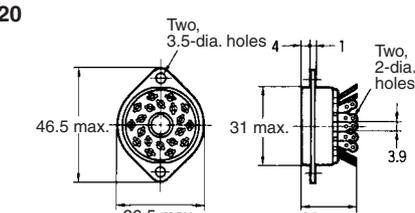
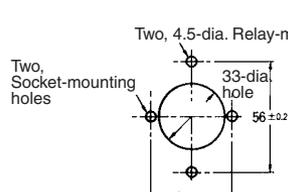
Dimensions	Terminal arrangement/ Internal connections (top view)	Mounting holes
<p><b>P3G-08</b></p>		---
<p><b>P3GA-11</b></p>		---

■ PL Dimensions

Dimensions	Terminal arrangement/ Internal connections (bottom view)	Mounting holes
<p><b>PL08</b></p>		<p>Two, 3.5-dia. or two, M3 Relay-mounting holes</p> <p>Two, 3.5-dia. or two, M3 Socket-mounting holes</p> <p>31-dia. hole</p> <p>40±0.3 74 or 86</p>
<p><b>PL08-Q</b></p>		<p>Two, 3.5-dia. or two, M3 Relay-mounting holes</p> <p>Two, 3.5-dia. or two, M3 Socket-mounting holes</p> <p>31-dia. hole</p> <p>40 ±0.3 72</p> <p>19</p>
<p><b>PLE08-0</b></p>		<p>Two, 3.5-dia. Hold-down Clip-mounting holes</p> <p>40±0.3</p> <p>27.7±0.5</p> <p>Eight, 2.5-dia. holes</p>

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

■ PL Dimensions

Dimensions	Terminal arrangement/ Internal connections (bottom view)	Mounting holes
<p><b>PL11</b></p>  <p>Approx. 20.5 max.</p>		<p>Two, 3.5-dia. or two, M3-mounting holes for applicable models</p>  <p>L=40 mm MK3P, MK2KP, MK3ZP, MK3LP L=74 mm MM3P, MM2(X)KP</p>
<p><b>PL11-Q</b></p> 		
<p><b>PLE11-0</b></p> 		<p>Two, 3.5-dia. Hold-down Clip-mounting holes</p>  <p>MK3P MK2KP</p> <p>L= Distance between mounting holes required for MK</p>
<p><b>PL15</b></p> 		<p>Two, 3.5-dia. or two, M3-mounting holes for applicable models</p>  <p>MK3XP, MM4(X)P, MM3(X)KP, MM4(X)KP</p>
<p><b>PL20</b></p> 		<p>Two, 4.5-dia. Relay-mounting holes</p>  <p>Note: Mounting hole preparation not required for LDNP.</p>

**ALL DIMENSIONS SHOWN ARE IN MILLIMETERS.**

To convert millimeters into inches, multiply by 0.03937. To convert grams into ounces, multiply by 0.03527.

## Read and Understand This Catalog

Please read and understand this catalog before purchasing the products. Please consult your OMRON representative if you have any questions or comments.

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- Outdoor use, uses involving potential chemical contamination or electrical interference, or conditions or uses not described in this catalog.
- Nuclear energy control systems, combustion systems, railroad systems, aviation systems, medical equipment, amusement machines, vehicles, safety equipment, and installations subject to separate industry or government regulations.
- Systems, machines, and equipment that could present a risk to life or property.

Please know and observe all prohibitions of use applicable to the products.

NEVER USE THE PRODUCTS FOR AN APPLICATION INVOLVING SERIOUS RISK TO LIFE OR PROPERTY WITHOUT ENSURING THAT THE SYSTEM AS A WHOLE HAS BEEN DESIGNED TO ADDRESS THE RISKS, AND THAT THE OMRON PRODUCTS ARE PROPERLY RATED AND INSTALLED FOR THE INTENDED USE WITHIN THE OVERALL EQUIPMENT OR SYSTEM.

### PROGRAMMABLE PRODUCTS

OMRON shall not be responsible for the user's programming of a programmable product, or any consequence thereof.

## Disclaimers

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Product specifications and accessories may be changed at any time based on improvements and other reasons.

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### DIMENSIONS AND WEIGHTS

Dimensions and weights are nominal and are not to be used for manufacturing purposes, even when tolerances are shown.

### PERFORMANCE DATA

Performance data given in this catalog is provided as a guide for the user in determining suitability and does not constitute a warranty. It may represent the result of OMRON's test conditions, and the users must correlate it to actual application requirements. Actual performance is subject to the OMRON Warranty and Limitations of Liability.

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