

# General-purpose Relays and Power Relays Sockets



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

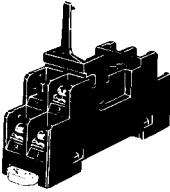
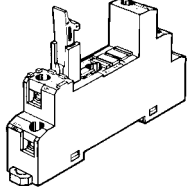
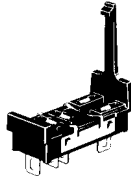
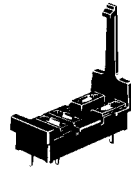
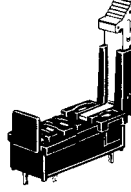
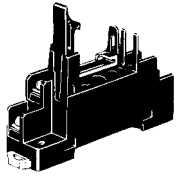
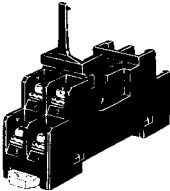
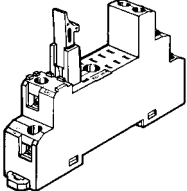
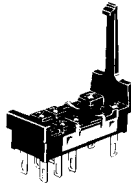
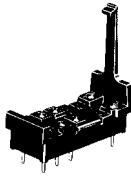
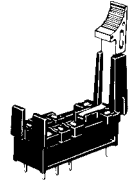


Relay Type	Mounting Bracket	Track Mount Adaptor	Track Mount Socket
G7J-(ALL)	R99-04-FOR-G5F W bracket	-	-
G7L-1A-T	R99-07G5D E bracket	P7LF-D	P7LF-06
G7L-1A-TJ			P7LF-06
G7L-1A-B			-
G7L-1A-BJ			-
G7L-2A-T			P7LF-06
G7L-2A-TJ			P7LF-06
G7L-2A-B			-
G7L-2A-BJ			-



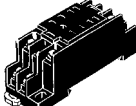
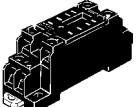
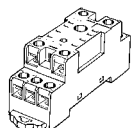
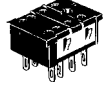
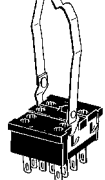
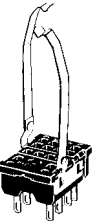
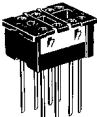
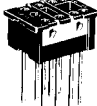
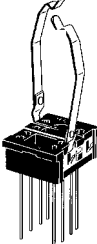

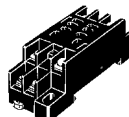

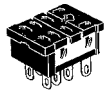

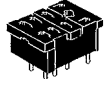
Mounting Track	Length
PFP-100N	1 meter
PFP-50N	.5 meter

## Square Sockets

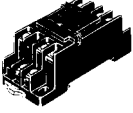

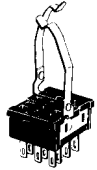
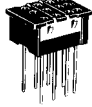
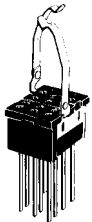

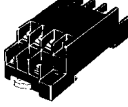

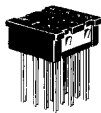
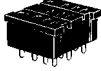
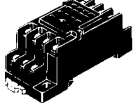
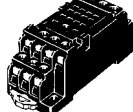
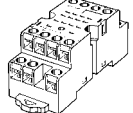
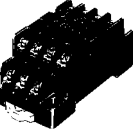

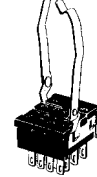
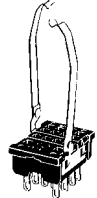
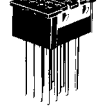
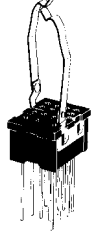

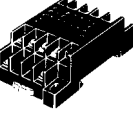
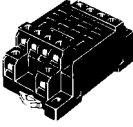
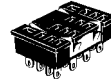


Item	P2RF (Track-mounting) *see page 246		P2R *see page 248			P7TF (Track-mounting) *see page 249
	Screw terminal		Solder terminal	PCB terminal		Screw terminal
5 pins	<b>P2RF-05</b> Approx. 27 g 	<b>P2RF-05-E</b> Approx. 38 g 	<b>P2R-05A</b> Approx. 5 g 	<b>P2R-05P</b> Approx. 5 g 	<b>P2R-057P</b> Approx. 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.

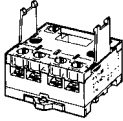
## Square Sockets

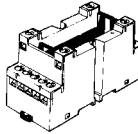


Item	PYF (Track-mounting) *see page 250	PY (back-connecting) *see page 252			PTF (Track-mounting) *see page 253	PT (back-connecting) *see page 255		
	Screw terminal	Solder terminal	Wrapping terminal	PCB terminal	Screw terminal	Solder terminal	Wrapping terminal	PCB terminal
8 pins	<b>PYF08A</b> Approx. 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.

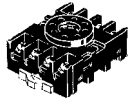


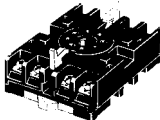
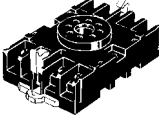
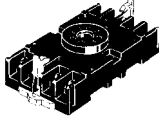
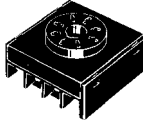
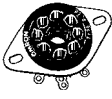
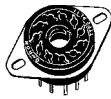






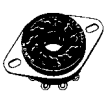




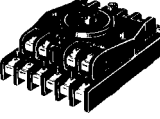

Item	PYF (Track-mounting) *see page 250	PY (back-connecting) *see page 252			PTF (Track-mounting) *see page 253	PT (back-connecting) *see page 255		
	Screw terminal	Solder terminal	Wrapping terminal	PCB terminal	Screw terminal	Solder terminal	Wrapping terminal	PCB terminal
11 pins	<b>PYF11A</b> Approx. 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 

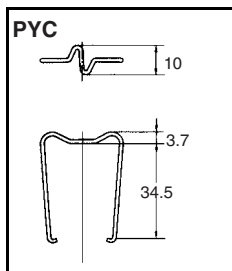
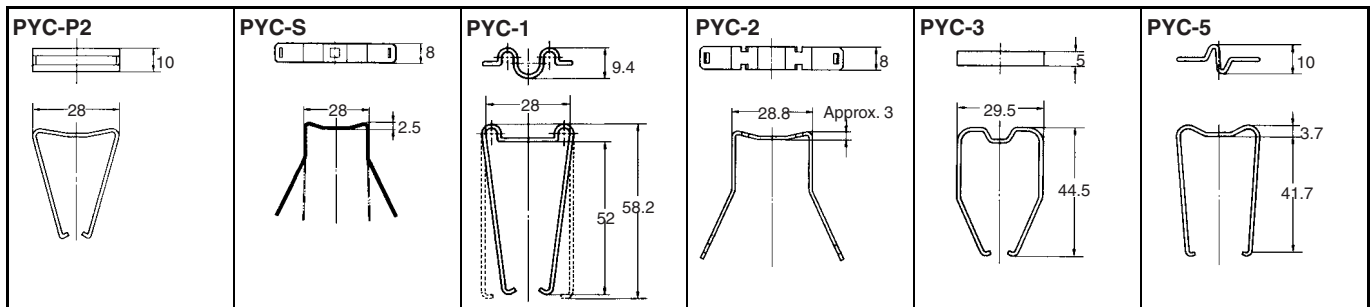
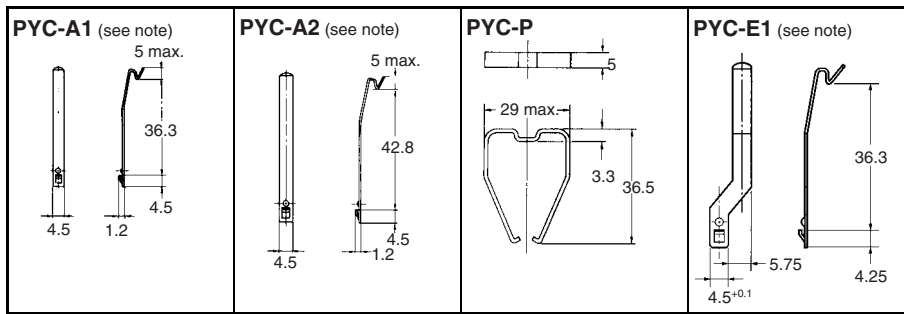
**Round Sockets**

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> 	---	---

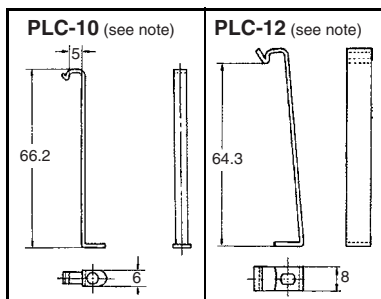
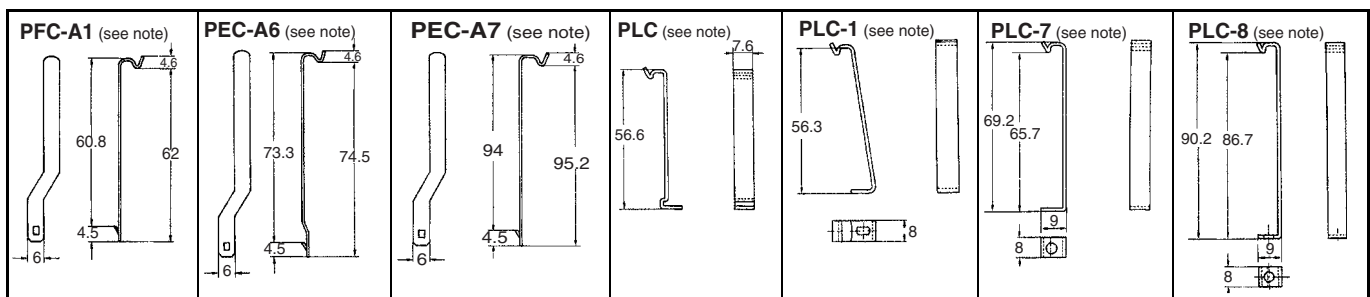
**Note:** This model succeeds the P3G-11 for which production was stopped in March 1991.

## ■ 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.

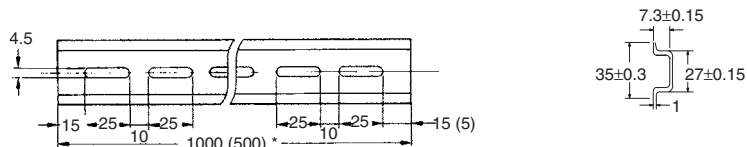
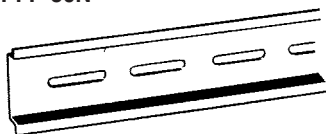
Item	Carry current	Dielectric strength	Insulation resistance (see note 2)
P7LF-06	30 A	Between contact of different polarity: 2,000 VAC for 1 min Between contacts of same polarity: 2,000 VAC for 1 min Between coil and contact: 4,000 VAC for 1 min	1,000 MΩ min.
PF□□□A	5 A	Between terminals: 2,000 VAC 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

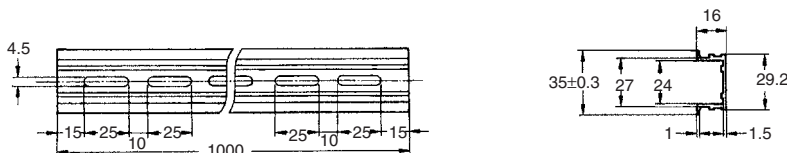
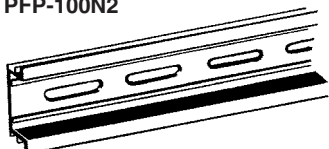
PFP-100N  
PFP-50N



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

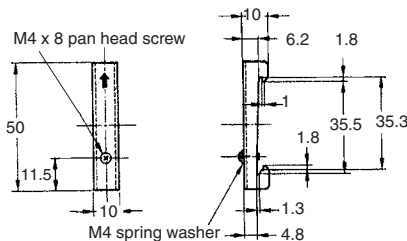
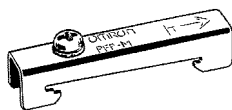
### Mounting Track

PFP-100N2



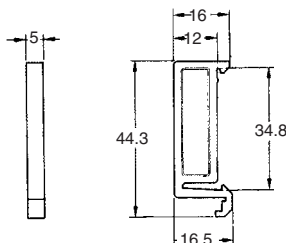
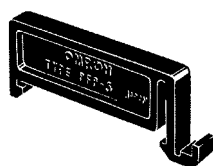
### End Plate

PFP-M



### Spacer

PFP-S

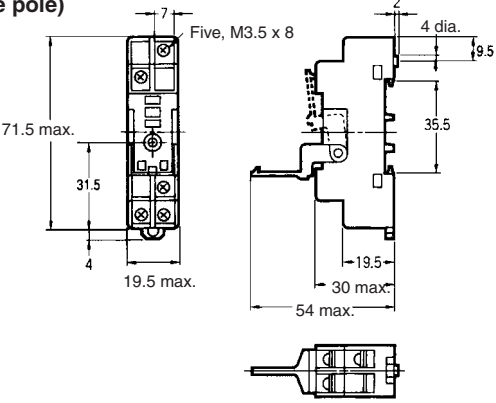
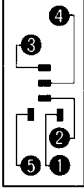
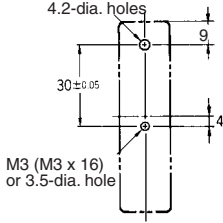
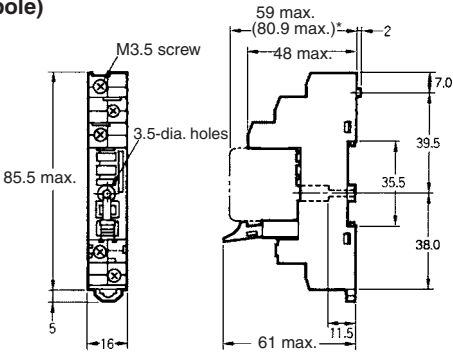
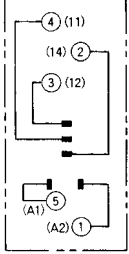
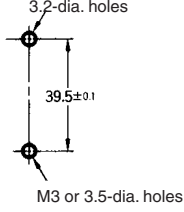
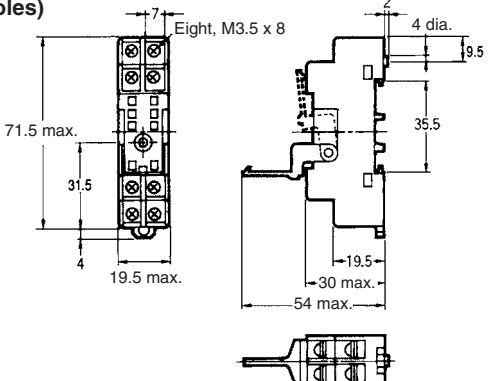
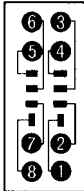
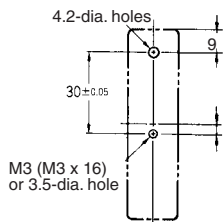




# Dimensions

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>

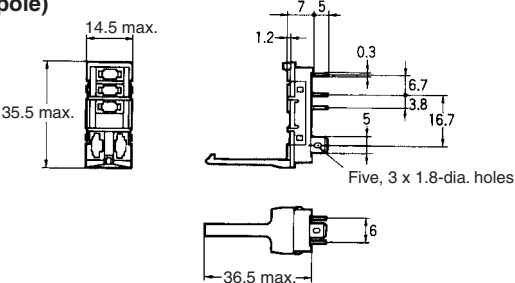
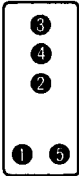
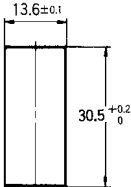
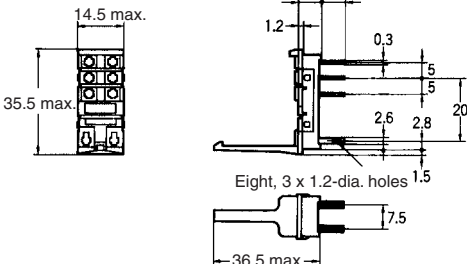
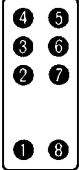
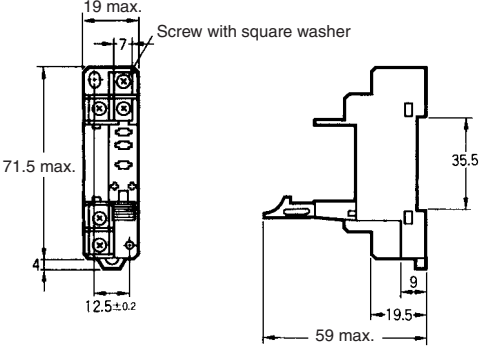
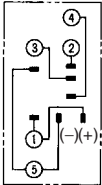

**Note:** When indicator modules with an I/O SSR are used, the No. 1 pin becomes positive.

■ 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>

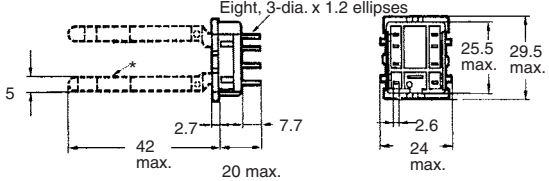
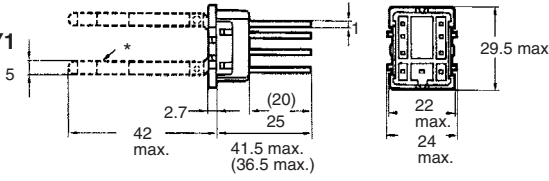
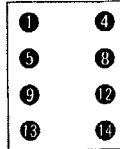
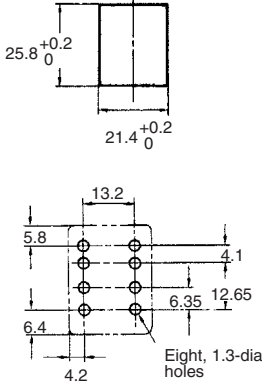
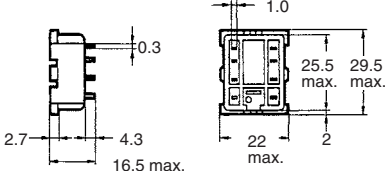
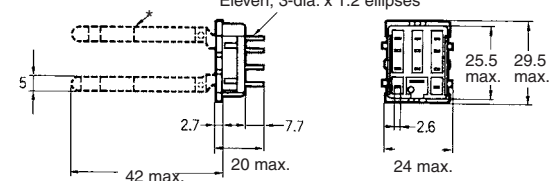
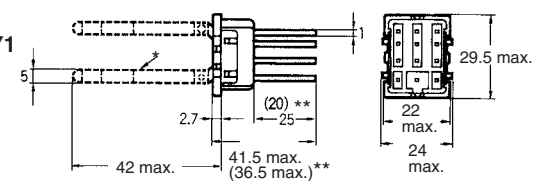
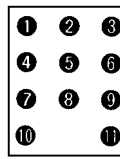
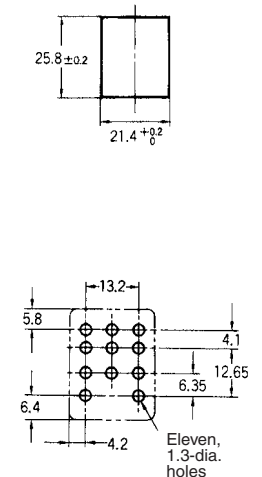
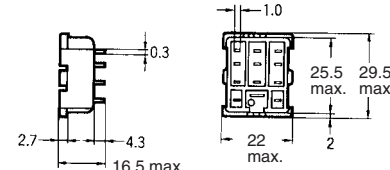
**Note:** When indicator modules with an I/O SSR are used, the No. 1 pin becomes positive.

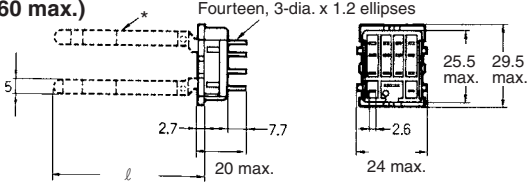
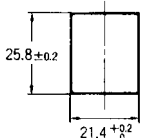
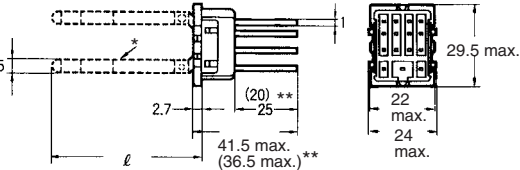
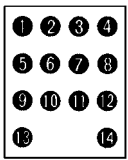
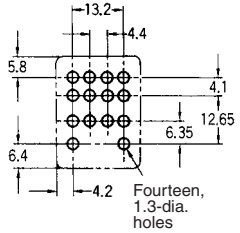
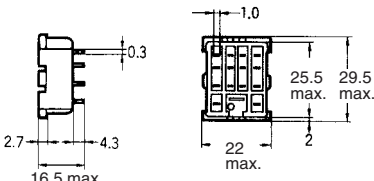
■ PYF Dimensions

Dimensions	Terminal arrangement/ Internal connections (top view)	Mounting holes (top view)
<p><b>PYF08A</b></p> <p>Two, 4.2 x 5 mounting holes Eight, M3 x 8 sems screws 72 max. 23 max. 3.4 35.4 16.5 6 30 max.</p>		<p>Two, M3, M4, or 4.5-dia. holes</p> <p>59±0.3 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 Eight, M3 x 8 sems 72 max. 23 max. 3.4 35.4 16.5 6 31 max.</p>		<p>Two, M3 or M4 (or 4.5-dia.) holes</p> <p>59±0.3 15±0.1</p> <p><b>Note:</b> Track-mounting is also possible.</p>
<p><b>PYF08A-N</b></p> <p>22 max. 67 max. 73 30 max.</p>		<p>3.0 dia. 18.7 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 Eleven, M3 x 8 sems 72 max. 29.5 max. 3.4 35.4 16.5 6 30 max.</p>		<p>Two, M3 or M4 (or 4.5-dia.) holes</p> <p>59±0.3 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>4 3 2 1</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>6.8</p> <p>17.4</p> <p>Fourteen, M3 x 8 sems</p> <p>30</p> <p>35.5</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>

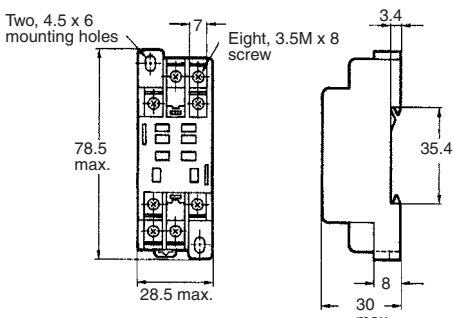
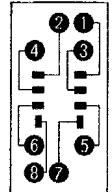
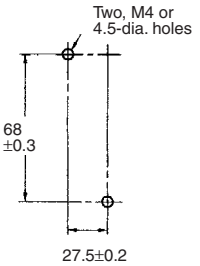
■ PY Dimensions

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> 		

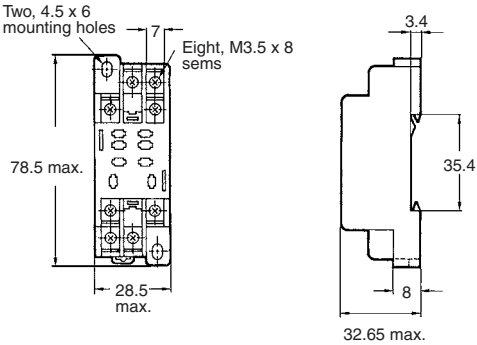
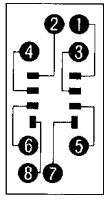
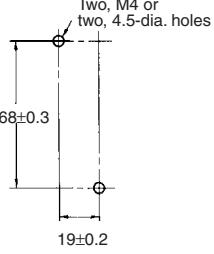
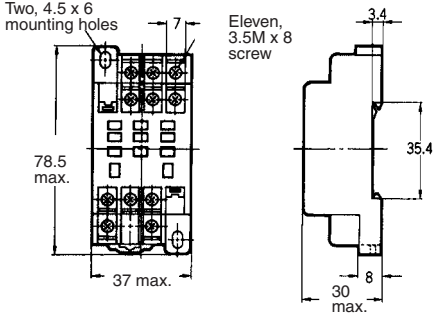
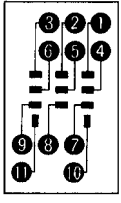
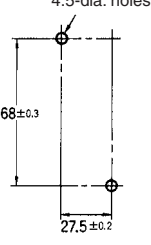
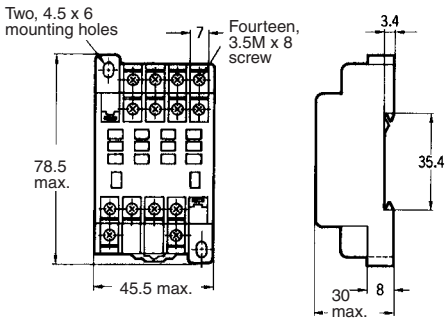
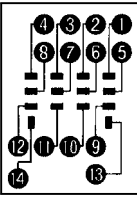
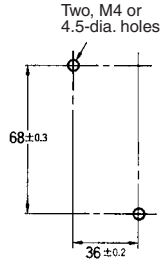
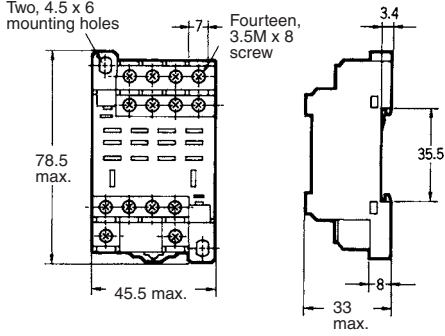
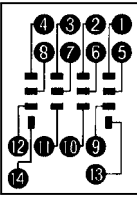
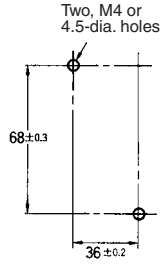
Dimensions	Terminal arrangement/ Internal connections (bottom view)	Mounting holes
<p><b>PY14</b>  <b>PY14-Y1</b> (<math>\ell=42</math> max.)  <b>PY14-Y3</b> (<math>\ell=60</math> max.)</p>  <p>Note: PY14-Y1 includes the part outlined by the dashed lines above.</p>		
<p><b>PY14QN, PY14QN2</b>  <b>PY14QN-Y1</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.

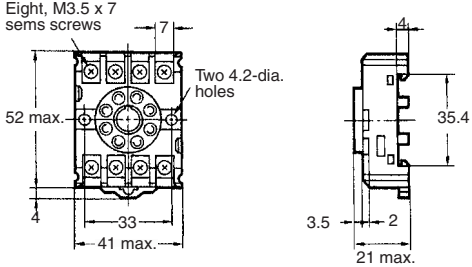
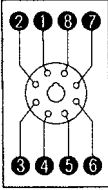
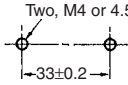
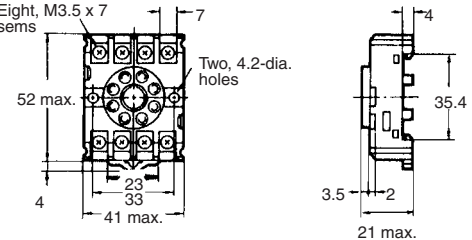
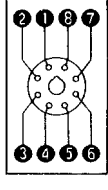
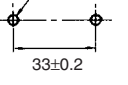
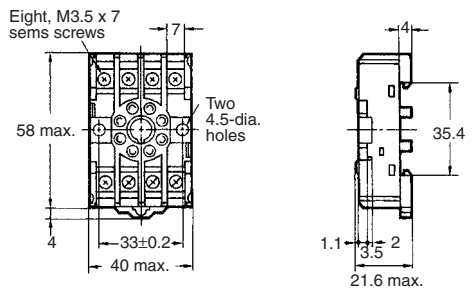
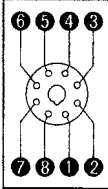
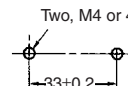
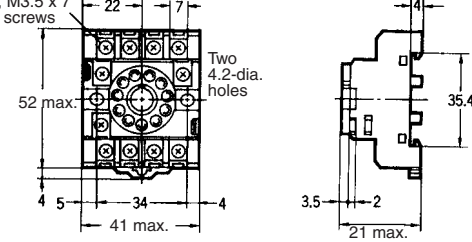
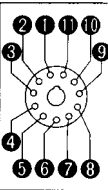
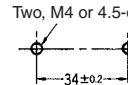
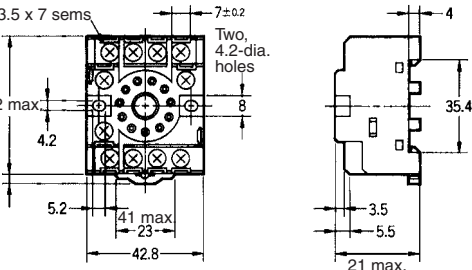
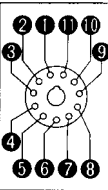
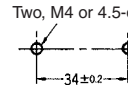
## ■ P7LF Dimensions

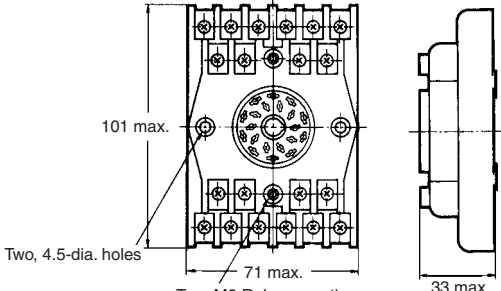
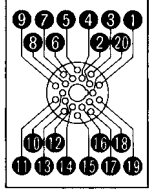
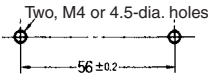
Dimensions	Terminal arrangement/ Internal connections (top view)	Mounting holes
<p><b>P7LF-06</b></p>		

■ P7S Dimensions

Dimensions	Terminal arrangement/ Internal connections	Mounting holes
<p><b>P7S-14F</b></p> <p>40 max. 33±0.1 Fourteen, M3.0 47 max. 90.5 max. 40 max.</p>	<p>(top view)</p>	<p>Two, M3.5 or 4.0-dia. holes 33±0.1</p>
<p><b>P7S-14A</b></p> <p>61.5 max. 23 max. 33 max. 5x7=35 14.5</p>	<p>G7S-4A2B</p> <p>G7S-3A3B</p> <p>(bottom view)</p>	<p>21±0.2 57±0.2</p>
<p><b>P7S-14P</b></p> <p>61.5 max. 23 max. 29 max. Two, 6.5 dia. x 7.9 5x7=35 14.5</p>	<p>G7S-4A2B</p> <p>G7S-3A3B</p> <p>(bottom view)</p>	<p>4.2 2.8 16.4 12.2 14.5 6 17 5x7=35 Two, 3.6 dia. Fourteen, 1.8 dia.</p>

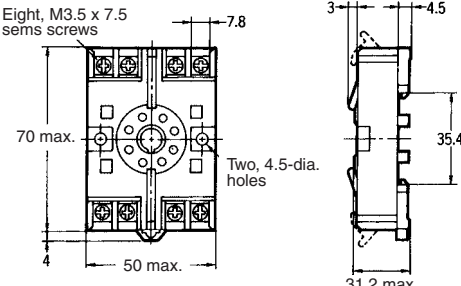
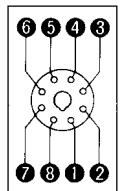
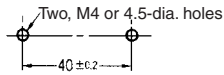
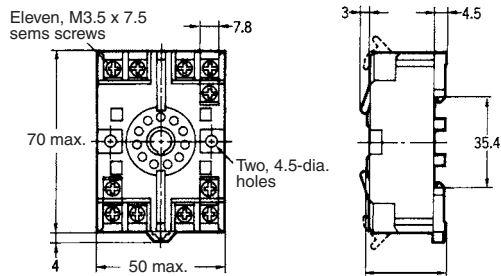
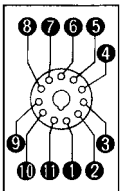
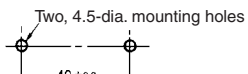
■ PF Dimensions

Dimensions	Terminal arrangement/ Internal connections (top view)	Mounting holes
<p><b>PF083A</b></p>  <p>Eight, M3.5 x 7 sems screws</p> <p>Two, 4.2-dia. holes</p> <p>52 max.</p> <p>41 max.</p> <p>33</p> <p>4</p> <p>7</p> <p>35.4</p> <p>4</p> <p>3.5</p> <p>2</p> <p>21 max.</p>		 <p>Two, M4 or 4.5-dia. holes</p> <p>33±0.2</p> <p><b>Note:</b> Track-mounting is available. See page 245.</p>
<p><b>PF083A-E</b></p>  <p>Eight, M3.5 x 7 sems</p> <p>Two, 4.2-dia. holes</p> <p>52 max.</p> <p>41 max.</p> <p>33</p> <p>4</p> <p>7</p> <p>35.4</p> <p>4</p> <p>3.5</p> <p>2</p> <p>21 max.</p>		 <p>Two, M4 or two, 4.5-dia. holes</p> <p>33±0.2</p>
<p><b>PF085A</b></p>  <p>Eight, M3.5 x 7 sems screws</p> <p>Two, 4.5-dia. holes</p> <p>58 max.</p> <p>40 max.</p> <p>33±0.2</p> <p>4</p> <p>7</p> <p>35.4</p> <p>4</p> <p>1.1</p> <p>3.5</p> <p>2</p> <p>21.6 max.</p>		 <p>Two, M4 or 4.5-dia. holes</p> <p>33±0.2</p> <p><b>Note:</b> Track-mounting is available. See page 245.</p>
<p><b>PF113A</b></p>  <p>Eight, M3.5 x 7 sems screws</p> <p>Two, 4.2-dia. holes</p> <p>52 max.</p> <p>41 max.</p> <p>34</p> <p>4</p> <p>7</p> <p>35.4</p> <p>4</p> <p>3.5</p> <p>2</p> <p>21 max.</p>		 <p>Two, M4 or 4.5-dia. holes</p> <p>34±0.2</p>
<p><b>PF113A-E</b></p>  <p>Eight, M3.5 x 7 sems</p> <p>Two, 4.2-dia. holes</p> <p>52 max.</p> <p>42.8 max.</p> <p>34</p> <p>4</p> <p>7±0.2</p> <p>8</p> <p>35.4</p> <p>4</p> <p>3.5</p> <p>5.5</p> <p>21 max.</p>		 <p>Two, M4 or 4.5-dia. holes</p> <p>34±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>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.

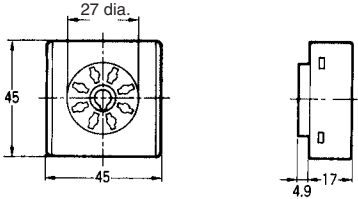
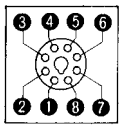
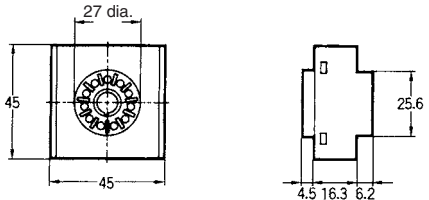
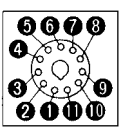
## ■ P2CF/PFA Dimensions

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>50 max.</p> <p>4</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>50 max.</p> <p>4</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>

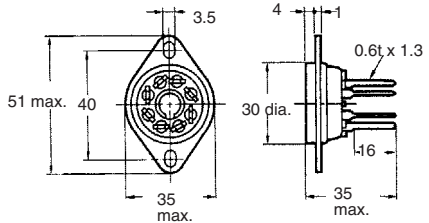
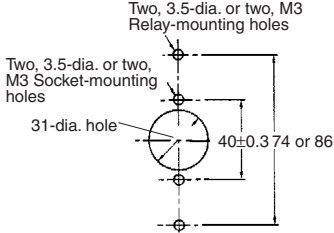
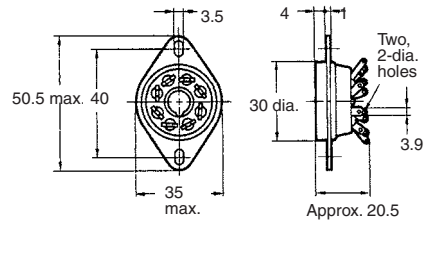
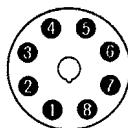
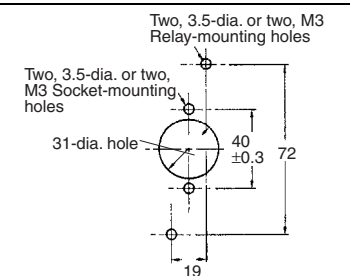
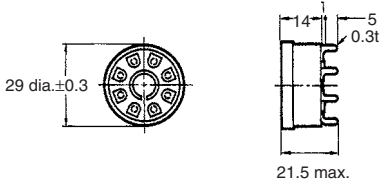
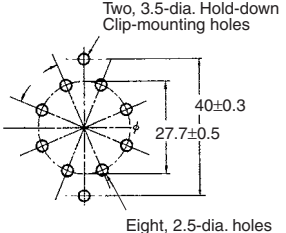
Dimensions	Terminal arrangement/ Internal connections (top view)	Mounting holes
<p><b>8PFA</b></p>		
<p><b>8PFA1</b></p>		<p><b>Note:</b> Track-mounting is available. See page 245.</p>

■ 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>---</p>
<p><b>P3GA-11</b></p> 		<p>---</p>

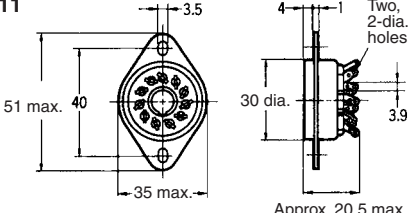
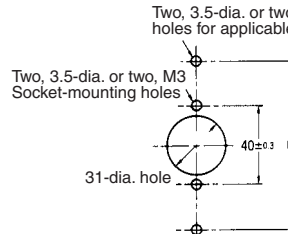
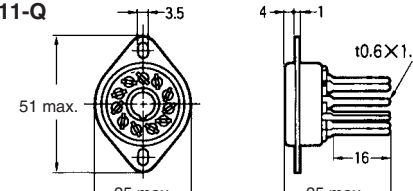

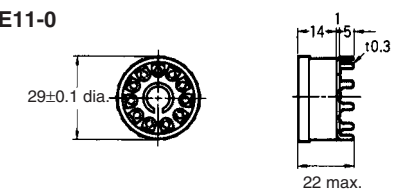
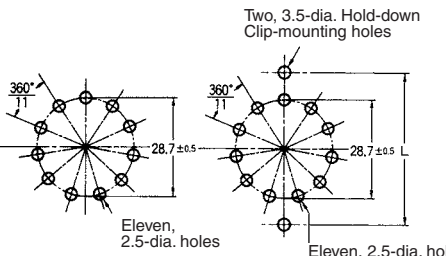
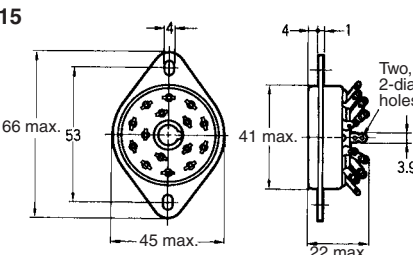
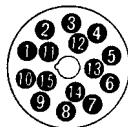
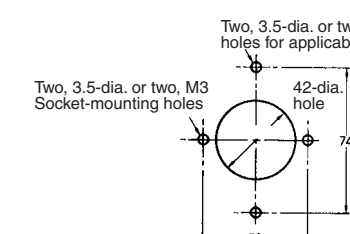
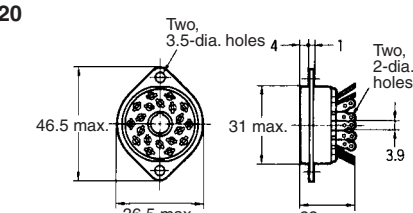
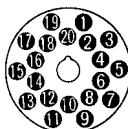
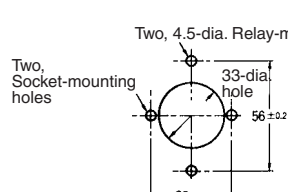
■ PL Dimensions

Dimensions	Terminal arrangement/ Internal connections (bottom view)	Mounting holes
<p><b>PL08</b></p> 		
<p><b>PL08-Q</b></p> 		
<p><b>PLE08-0</b></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.

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