

General-purpose Relays and Power Relays Sockets



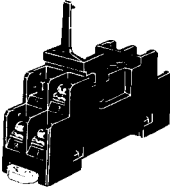
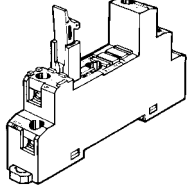
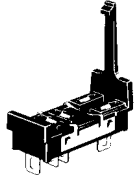
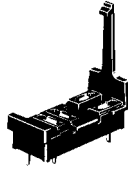
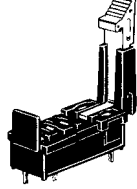
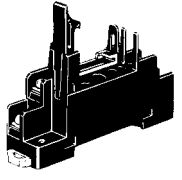
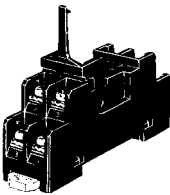
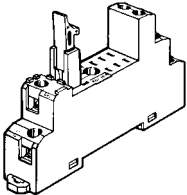
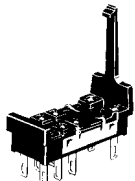
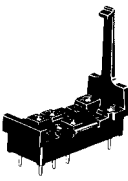
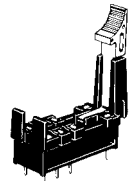
Relay Type	Track Mount Sockets	Back Connecting Sockets	
		Solder terminals	PCB terminals
G2R-1-S	P2RF-05 P2RF-05-E P2RF-05-S	P2R-05A	P2R-05P
G2R-2-S	P2RF-08 P2RF-08-E P2RF-08-S	P2R-08A	P2R-08P
LY1, LY2	PTF08A-E	PT08	PT08-0
LY3	PTF11A	PT11	PT11-0
LY4	PTF14A-E	PT14	PT14-0
MK2	PFO83A-E	PL08	PLR08-0
MK3	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			-

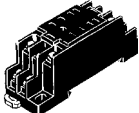
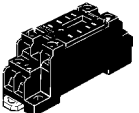
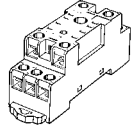
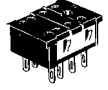
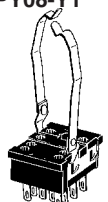
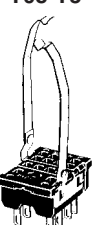
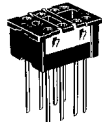

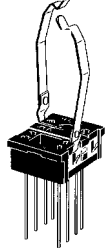

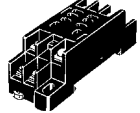
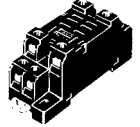
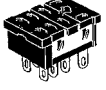
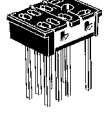
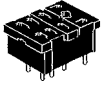
Mounting Track	Length
PPF-100N	1 meter
PPF-50N	.5 meter

Square Sockets

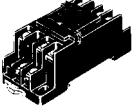

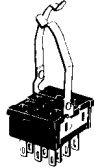
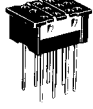
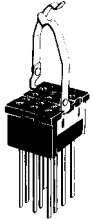

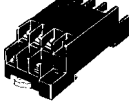


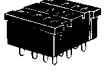
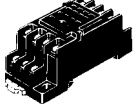
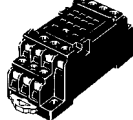
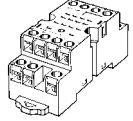


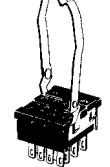
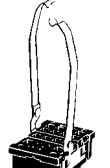
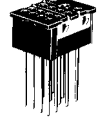
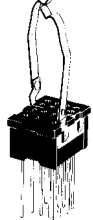

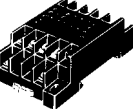
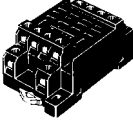
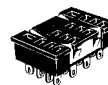


Item	P2RF (Track-mounting) *see page 246		P2R *see page 248			P7TF (Track-mounting) *see page 249
	Screw terminal		Solder terminal	PCB terminal		Screw terminal
5 pins	P2RF-05 Approx. 27 g 	P2RF-05-E Approx. 38 g 	P2R-05A Approx. 5 g 	P2R-05P Approx. 5 g 	P2R-057P Approx. 5.5 g 	P7TF-05 Approx. 28 g 
8 pins	P2RF-08 Approx. 33 g 	P2RF-08-E Approx. 38 g 	P2R-08A Approx. 5 g 	P2R-08P Approx. 5 g 	P2R-087P Approx. 5.5 g 	---

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

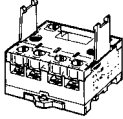
Square Sockets

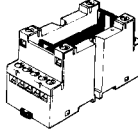


Item	PYF (Track-mounting) *see page 250	PY (back-connecting) *see page 252			PTF (Track-mounting) *see page 253	PT (back-connecting) *see page 255		
	Screw terminal	Solder terminal	Wrapping terminal	PCB terminal	Screw terminal	Solder terminal	Wrapping terminal	PCB terminal
8 pins	PYF08A Approx. 32 g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

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

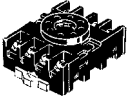
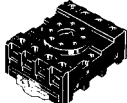

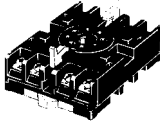
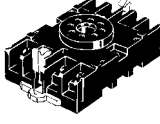
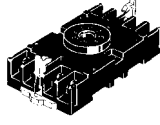
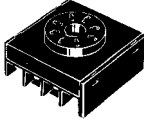
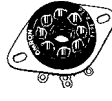
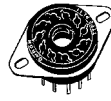




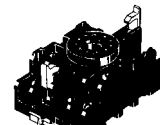


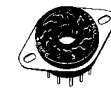


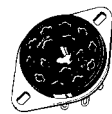
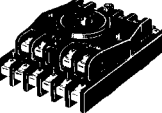

Item	PYF (Track-mounting) *see page 250	PY (back-connecting) *see page 252			PTF (Track-mounting) *see page 253	PT (back-connecting) *see page 255		
	Screw terminal	Solder terminal	Wrapping terminal	PCB terminal	Screw terminal	Solder terminal	Wrapping terminal	PCB terminal
11 pins	PYF11A Approx. 46 g 	PY11 Approx. 9 g  PY11-Y1 	PY11QN PY11QN2  PY11QN-Y1 PY11QN2-Y1 	PY11-02 	PTF11A Approx. 50 g 	PT11 Approx. 13 g 	PT11QN 	PT11-0 Approx. 12.2 g 
14 pins	PYF14A Approx. 49 g  PYF14A-E  PYF14A-N  PYF14T Approx. 53 g 	PY14 Approx. 10 g  PY14-Y1  PY14-Y2 	PY14QN PY14QN2 Approx. 14 g  PY14QN-Y1 PY14QN2-Y1 PY14QN-Y2 PY14QN2-Y2 	PY14-02 	PTF14A Approx. 60 g  PTF14A-E 	PT14 Approx. 17 g 	PT14QN Approx. 20 g 	PT14-0 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	P7LF-06 Approx. 60 g 

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

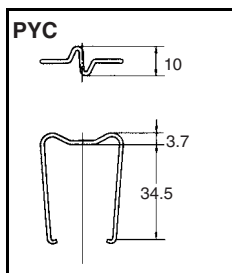
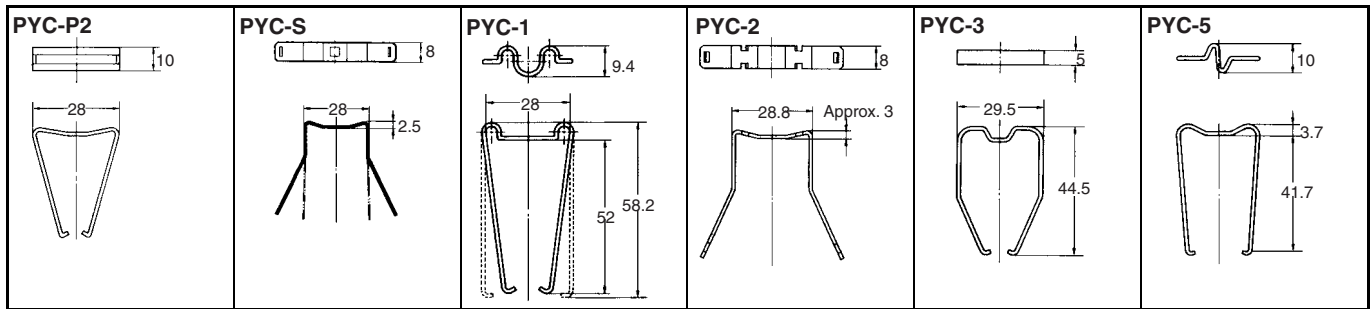
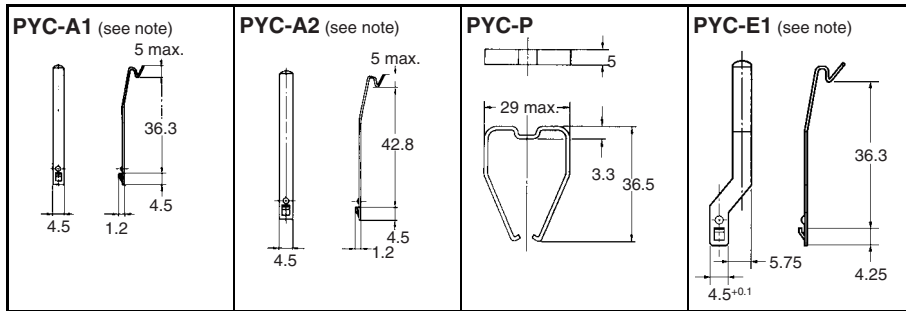
Round Sockets

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>PF083A Approx. 34 g</p>  <p>PF083A-E</p>  <p>PF085A Approx. 40 g</p> 	<p>P2CF-08 Approx. 55 g</p> 	<p>8PFA Approx. 57 g</p>  <p>8PFA1 Approx. 66 g</p> 	<p>P3G-08 Approx. 40 g</p> 	<p>PL08 Approx. 14 g</p> 	<p>PL08-Q Approx. 15 g</p> 	<p>PLE08-0 Approx. 10.6 g</p> 
11 pins	<p>PF113A Approx. 47 g</p>  <p>PF113A-E</p> 	<p>P2CF-11 Approx. 70 g</p> 	<p>11PFA Approx. 74 g</p> 	<p>P3GA-11 (see note) Approx. 47 g</p> 	<p>PL11 Approx. 15 g</p> 	<p>PL11-Q Approx. 18.5 g</p> 	<p>PLE11-0 Approx. 10.8 g</p> 
14 pins	---	---	<p>14PFA Approx. 104 g</p> 	---	<p>PL15 Approx. 28 g</p> 	---	---
20 pins	<p>PF202 Approx. 170 g</p> 	---	---	---	<p>PL20 Approx. 17 g</p> 	---	---

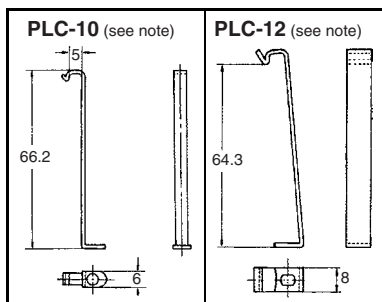
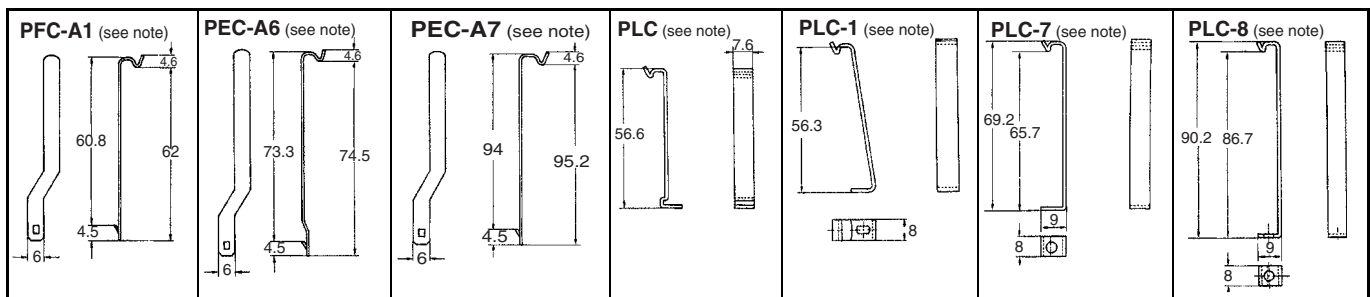
Note: This model succeeds the P3G-11 for which production was stopped in March 1991.

■ 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.

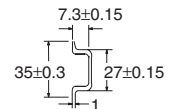
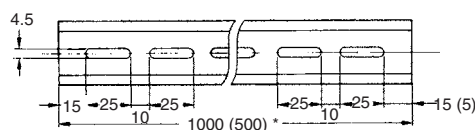
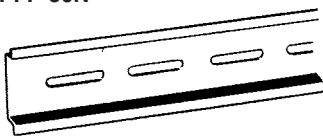
Item	Carry current	Dielectric strength	Insulation resistance (see note 2)
P7LF-06	30 A	Between contact of different polarity: 2,000 VAC for 1 min Between contacts of same polarity: 2,000 VAC for 1 min Between coil and contact: 4,000 VAC for 1 min	1,000 MΩ min.
PF□□□A	5 A	Between terminals: 2,000 VAC 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:**
- The values given above are initial values.
 - The values for insulation resistance were measured at 500 V at the same place as the dielectric strength.
 - 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

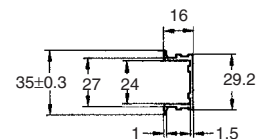
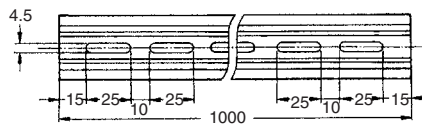
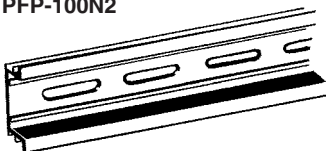
PFP-100N
PFP-50N



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

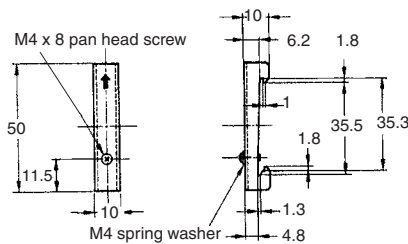
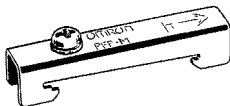
Mounting Track

PFP-100N2



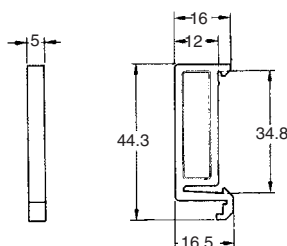
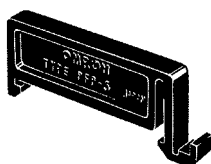
End Plate

PFP-M



Spacer

PFP-S

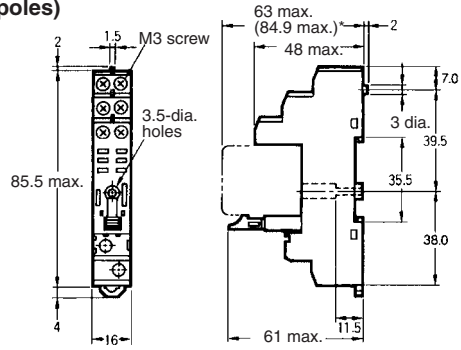
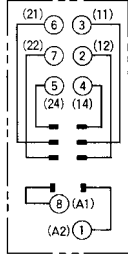
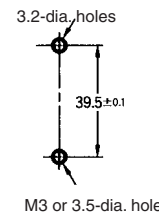


Dimensions

Note: All units are in millimeters unless otherwise indicated.

■ P2RF

Dimensions	Terminal arrangement/Internal connections (top view)	Mounting holes (top view)
<p>P2RF-05 (One pole)</p>		<p>Note: Track-mounting is also possible.</p>
<p>P2RF-05-E (One pole)</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>P2RF-08 (Two poles)</p>		<p>Note: Track-mounting is also possible.</p>

Dimensions	Terminal arrangement/ Internal connections (top view)	Mounting holes (top view)
<p>P2RF-08-E (Two poles)</p>  <p>85.5 max. 2 1.5 M3 screw 3.5-dia. holes 4 16 63 max. (84.9 max.)* 48 max. 2 7.0 3 dia. 39.5 35.5 38.0 61 max. 11.5</p> <p>* When mounted on H3RN-2□.</p>	 <p>(21) 6 (11) (22) 7 (12) 5 4 (24) (14) 8 (A1) (A2) 1</p> <p>Note: Figures in parentheses are DIN standard numbers.</p>	 <p>3.2-dia. holes 39.5±0.1 M3 or 3.5-dia. holes</p> <p>Note: Track-mounting is also possible.</p>

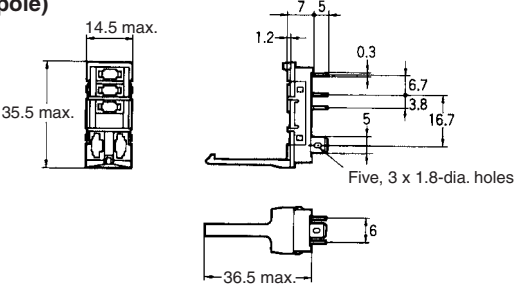
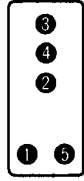
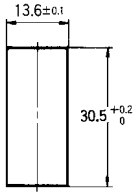
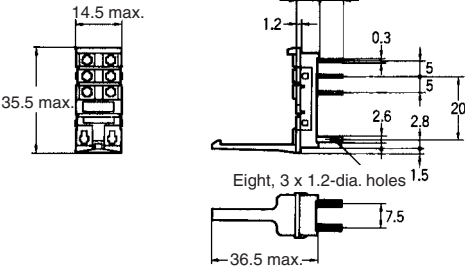
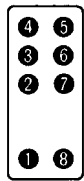
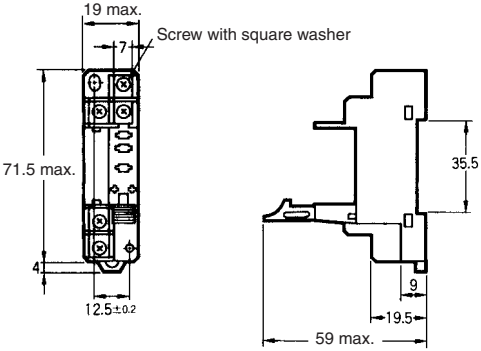
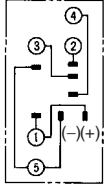

Note: When indicator modules with an I/O SSR are used, the No. 1 pin becomes positive.

■ P2R

Dimensions	Terminal arrangement/ Internal connections (bottom view)	Mounting holes (bottom view)
<p>P2R-05P (One pole)</p>		<p>Mounting holes (bottom view)</p> <p>Five, 1.6-dia. holes</p>
<p>P2R-08P (Two poles)</p>		<p>Mounting holes (bottom view)</p> <p>Eight, 1.3-dia. holes</p>
<p>P2R-057P (One pole)</p>		<p>Mounting holes (bottom view)</p> <p>Five, 1.6-dia. holes</p>
<p>P2R-087P (Two poles)</p>		<p>Mounting holes (bottom view)</p> <p>Eight, 1.3-dia. holes</p>

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

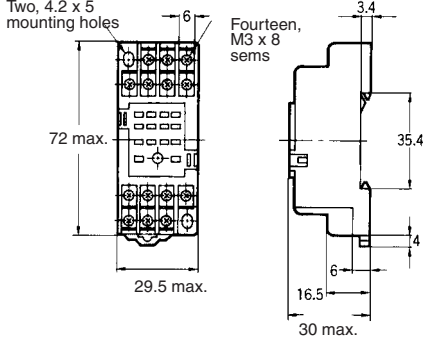
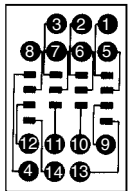
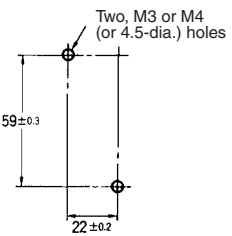
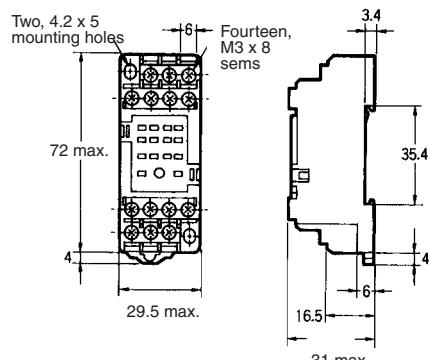
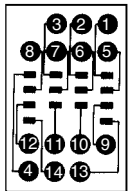
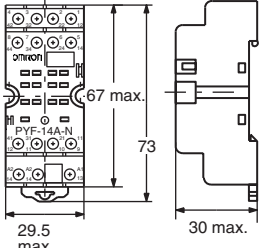
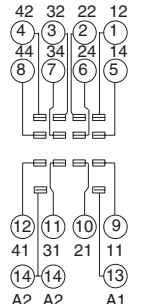
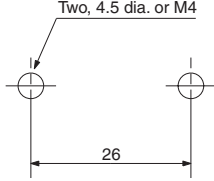
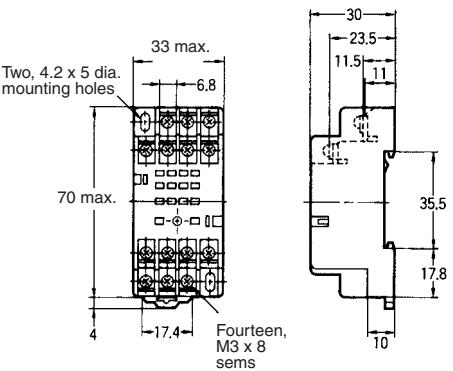
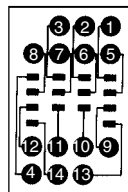
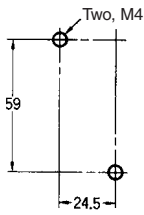
■ P2R/P7TF

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

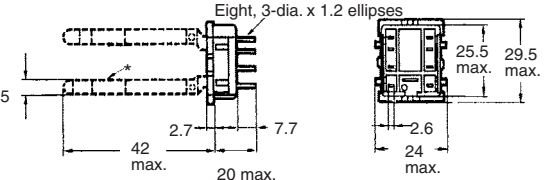
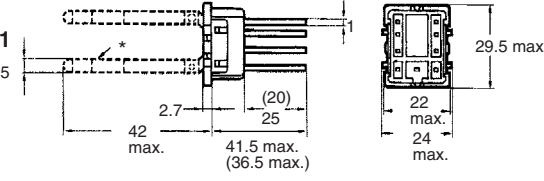
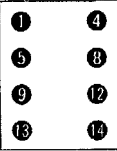
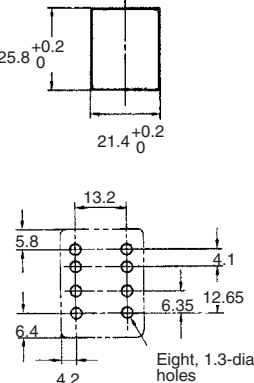
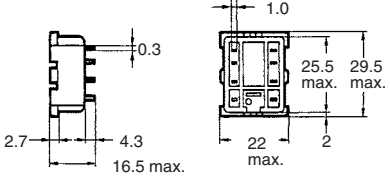
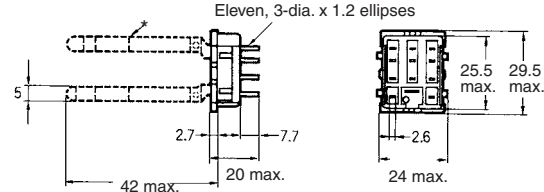
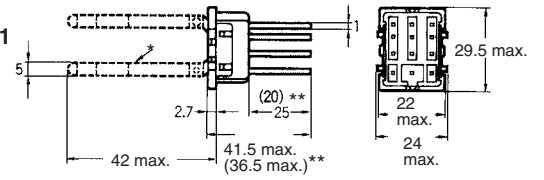
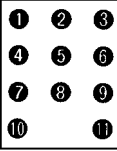
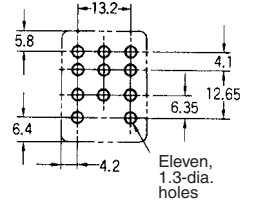
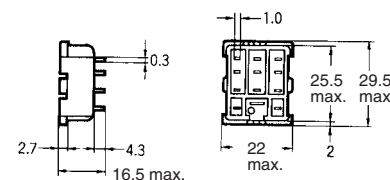
Note: When indicator modules with an I/O SSR are used, the No. 1 pin becomes positive.

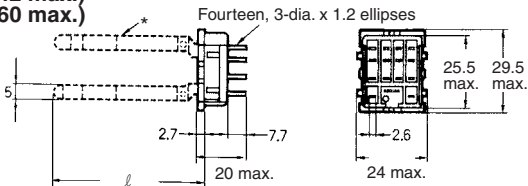
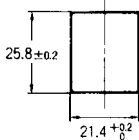
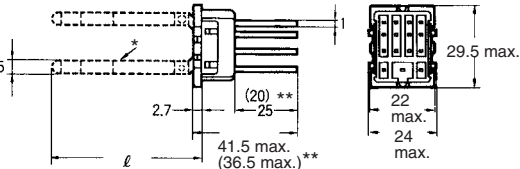
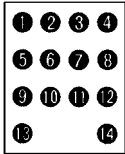
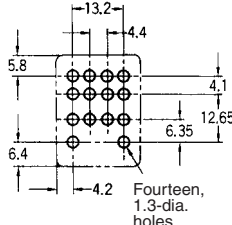
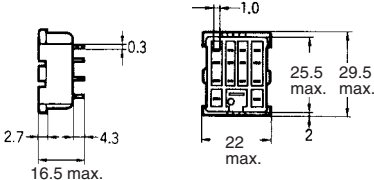
■ PYF Dimensions

Dimensions	Terminal arrangement/ Internal connections (top view)	Mounting holes (top view)
<p>PYF08A</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>6</p> <p>16.5</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>Note: Track-mounting is also possible.</p>
<p>PYF08A-E</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>6</p> <p>16.5</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>Note: Track-mounting is also possible.</p>
<p>PYF08A-N</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>Note: Track-mounting is also possible. Refer to page 245 for Mounting Tracks.</p>
<p>PYF11A</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>6</p> <p>16.5</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>Note: Track-mounting is also possible.</p>

Dimensions	Terminal arrangement/ Internal connections (top view)	Mounting holes (top view)
<p>PYF14A</p>  <p>Two, 4.2 x 5 mounting holes</p> <p>72 max.</p> <p>29.5 max.</p> <p>6</p> <p>Fourteen, M3 x 8 sems</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>PYF14A-E</p>  <p>Two, 4.2 x 5 mounting holes</p> <p>72 max.</p> <p>29.5 max.</p> <p>6</p> <p>Fourteen, M3 x 8 sems</p> <p>3.4</p> <p>35.4</p> <p>16.5</p> <p>6</p> <p>31 max.</p>		<p>Note: Track-mounting is also possible.</p>
<p>PYF14A-N</p>  <p>67 max.</p> <p>29.5 max.</p> <p>73</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>Note: Track-mounting is also possible. Refer to page 245 for Mounting Tracks.</p>
<p>PYF14T</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>23.5</p> <p>11.5</p> <p>11</p> <p>35.5</p> <p>17.8</p> <p>10</p>		 <p>Two, M4</p> <p>59</p> <p>24.5</p> <p>Note: Track-mounting is also possible.</p>

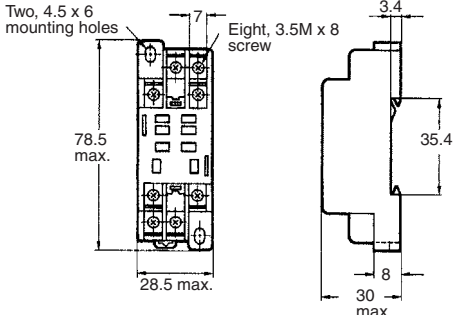
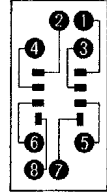
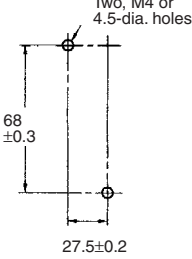
■ PY Dimensions

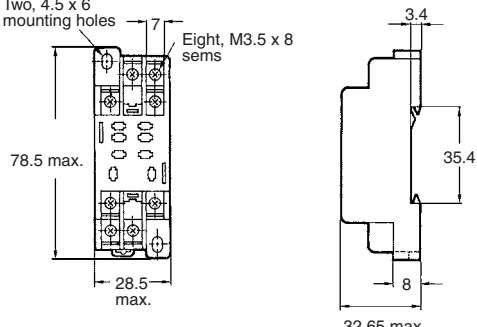
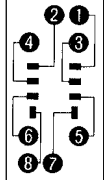
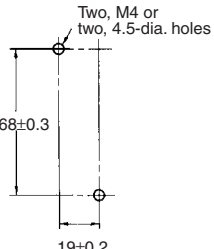
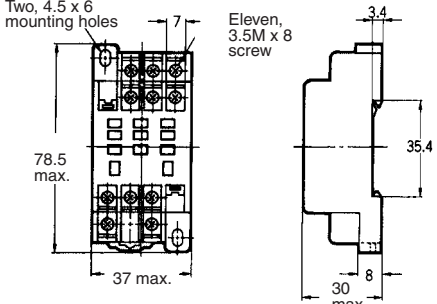
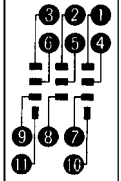
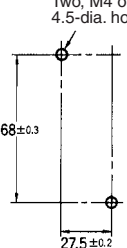
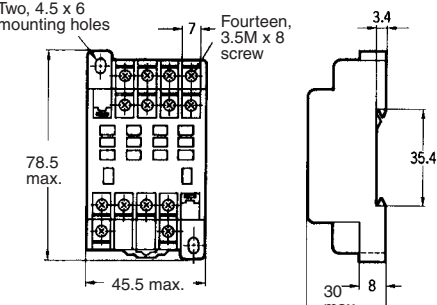
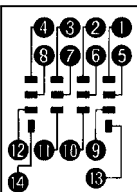
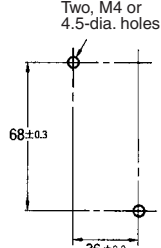
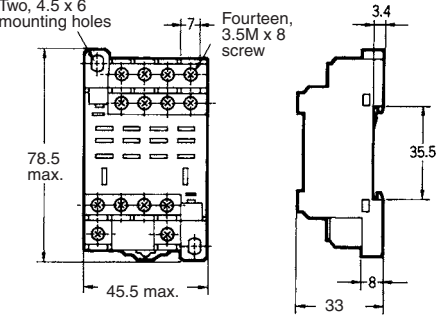
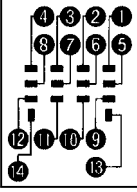
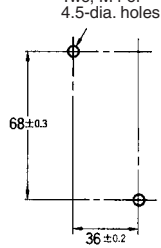
Dimensions	Terminal arrangement/ Internal connections (bottom view)	Mounting holes
<p>PY08 PY08-Y1 PY08-Y3</p>  <p>Note: PY08-Y1 includes the part outlined by the dashed lines above.</p>		
<p>PY08QN PY08QN2 PY08QN-Y1 PY08QN2-Y1</p>  <p>Note: 1. PY08QN(2)-Y1 includes the part outlined by the dashed lines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

Dimensions	Terminal arrangement/ Internal connections (bottom view)	Mounting holes
<p>PY14 PY14-Y1 ($\ell=42$ max.) PY14-Y3 ($\ell=60$ max.)</p>  <p>Fourteen, 3-dia. x 1.2 ellipses</p> <p>Note: PY14-Y1 includes the part outlined by the dashed lines above.</p>		
<p>PY14QN, PY14QN2 PY14QN-Y1 ($\ell=42$ max.) PY14QN2-Y1 ($\ell=42$ max.) PY14QN-Y2 ($\ell=49$ max.) PY14QN2-Y2 ($\ell=49$ max.) PY14QN-Y3 ($\ell=60$ max.) PY14QN2-Y3 ($\ell=60$ 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>PY14-02</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>PTF08A</p>  <p>Two, 4.5 x 6 mounting holes</p> <p>Eight, 3.5M x 8 screw</p>		 <p>Note: Track-mounting is available. See page 245.</p>

Dimensions	Terminal arrangement/ Internal connections (top view)	Mounting holes (top view)
<p>PTF08A-E</p>  <p>Two, 4.5 x 6 mounting holes</p> <p>Eight, M3.5 x 8 screws</p> <p>78.5 max.</p> <p>28.5 max.</p> <p>7</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>Note: Track-mounting is available. See page 245.</p>
<p>PTF11A</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>7</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>Note: Track-mounting is available. See page 245.</p>
<p>PTF14A</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>7</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>PTF14A-E</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>7</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>Note: 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>PT08</p> <p>Eight, 1.7-dia. x 3.5 ellipses</p>		
<p>PT08-0</p> <p>*Keep a proper distance between the Socket and PCB patterns.</p>		<p>Eight, 2.5-dia. holes</p> <p>The tolerance is ± 0.1.</p>
<p>PT11</p> <p>Eleven, 1.7-dia. x 3.5 holes</p>		
<p>PT11-0</p> <p>*Keep a proper distance between the Socket and PCB patterns.</p>		<p>Eleven, 2.5-dia. holes</p> <p>The tolerance is ± 0.1.</p>

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

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

■ P7LF Dimensions

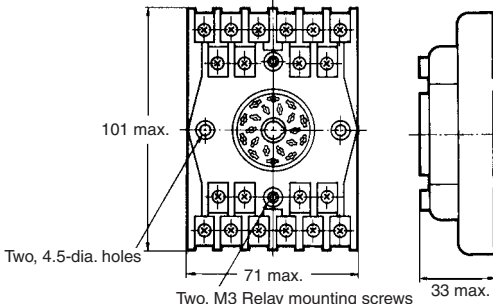
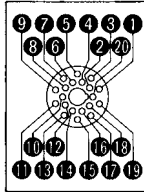
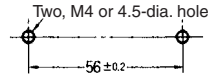
Dimensions	Terminal arrangement/ Internal connections (top view)	Mounting holes
<p>P7LF-06</p>		

■ P7S Dimensions

Dimensions	Terminal arrangement/ Internal connections	Mounting holes
<p>P7S-14F</p> <p>40 max. 33±0.1 Fourteen, M3.0 47 max. 38 18 5 90.5 max. 3.1 40 max. 5.9</p>	<p>(top view)</p>	<p>Two, M3.5 or 4.0-dia. holes 33±0.1</p>
<p>P7S-14A</p> <p>61.5 max. 23 25 max. 33 max. 17.7 10.1 6 7 5×7=35 12.2 8 14.5</p>	<p>G7S-4A2B</p> <p>G7S-3A3B</p> <p>(bottom view)</p>	<p>21^{+0.2} 57^{+0.2}</p>
<p>P7S-14P</p> <p>61.5 max. 23 max. 28±0.2 29 max. 15.4 11.6 Two, 6.5 dia. × 7.9 6 7 5×7=35 12.2 8 14.5 23 max.</p>	<p>G7S-4A2B</p> <p>G7S-3A3B</p> <p>(bottom view)</p>	<p>4.2 2.8 16.4 12.2 14.5 8 28±0.2 17 -6 5×7=35 Two, 3.6 dia. Fourteen, 1.8 dia.</p>

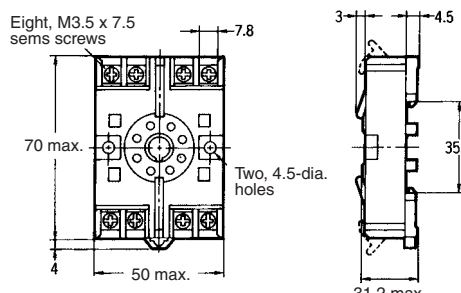
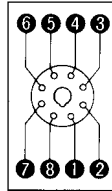
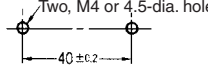
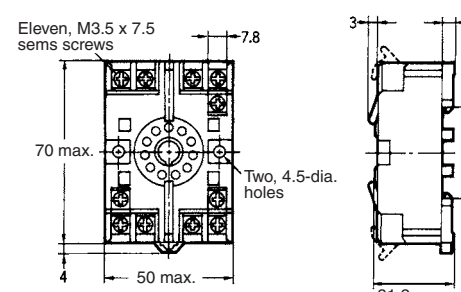
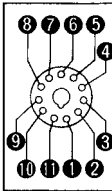
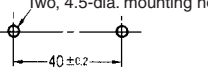
■ PF Dimensions

Dimensions	Terminal arrangement/ Internal connections (top view)	Mounting holes
<p>PF083A</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>Note: Track-mounting is available. See page 245.</p>
<p>PF083A-E</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>PF085A</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>Note: Track-mounting is available. See page 245.</p>
<p>PF113A</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>PF113A-E</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>23</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>Note: Track-mounting is available. See page 245.</p>

Dimensions	Terminal arrangement/ Internal connections (top view)	Mounting holes
<p>PF202</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.

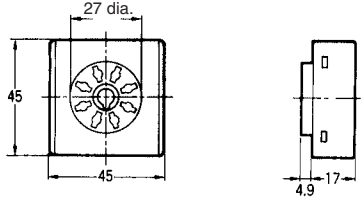
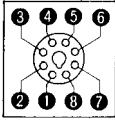
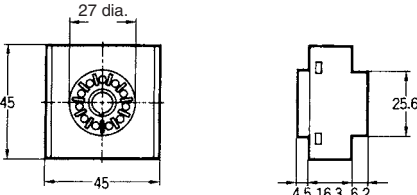
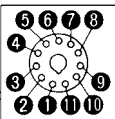
■ P2CF/PFA Dimensions

Dimensions	Terminal arrangement/ Internal connections (top view)	Mounting holes
<p>P2CF-08</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>31.2 max.</p> <p>3</p> <p>4.5</p> <p>35.4</p>		 <p>Two, M4 or 4.5-dia. holes</p> <p>40 ± 0.2</p> <p>Note: Track-mounting is available. See page 245.</p>
<p>P2CF-11</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>31.2 max.</p> <p>3</p> <p>4.5</p> <p>35.4</p>		 <p>Two, 4.5-dia. mounting holes</p> <p>40 ± 0.2</p> <p>Note: Track-mounting is available. See page 245.</p>

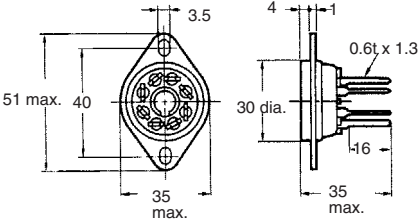
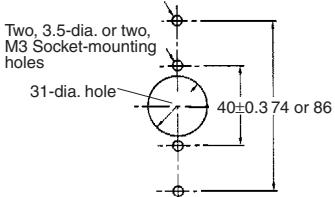
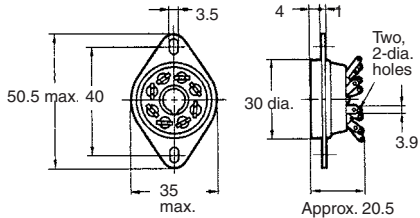

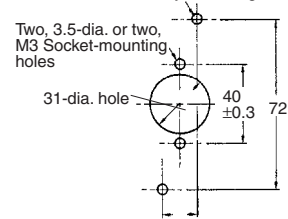
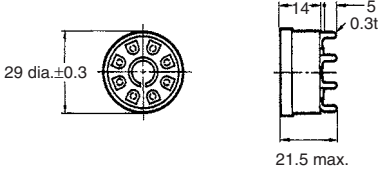
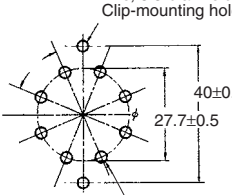
Dimensions	Terminal arrangement/ Internal connections (top view)	Mounting holes
<p>8PFA</p> <p>Eight, M3.5 x 7 sems screws</p> <p>Two, 4.5-dia. holes</p> <p>81 max.</p> <p>40±0.2</p> <p>51 max.</p> <p>7.8</p> <p>4</p> <p>5</p> <p>4</p> <p>24 max.</p> <p>35.4</p> <p>118 max.</p>		<p>Two, 4.5-dia. mounting holes</p> <p>40±0.2</p>
<p>8PFA1</p> <p>Eight, M3.5 x 7 sems screws</p> <p>Two, 4.5-dia. holes</p> <p>93 max.</p> <p>40±0.2</p> <p>51 max.</p> <p>7.8</p> <p>4</p> <p>5</p> <p>4</p> <p>24 max.</p> <p>35.4</p> <p>130 max.</p>		<p>Note: Track-mounting is available. See page 245.</p>

■ PFA/P3G/P3GA Dimensions

Dimensions	Terminal arrangement/ Internal connections (top view)	Mounting holes
<p>11PFA</p> <p>Eleven, M3.5 x 7 sems screws</p> <p>Two, 4.5-dia. holes</p> <p>81 max.</p> <p>40±0.2</p> <p>51 max.</p> <p>7.8</p> <p>4</p> <p>5</p> <p>4</p> <p>33.5 max.</p> <p>35.4</p> <p>118 max.</p>		<p>Two, M4 or 4.5-dia. holes</p> <p>40±0.2</p> <p>Note: Track-mounting is available. See page 245.</p>
<p>14PFA</p> <p>Fourteen, M3.5 x 7 sems screws</p> <p>Two, 4.5-dia. holes</p> <p>81 max.</p> <p>60±0.2</p> <p>72 max.</p> <p>7.8</p> <p>4</p> <p>5</p> <p>4</p> <p>33.5 max.</p> <p>35.4</p> <p>118 max.</p>		<p>Two, M4 or 4.5-dia. holes</p> <p>60±0.2</p> <p>Note: Track-mounting is available. See page 245.</p>

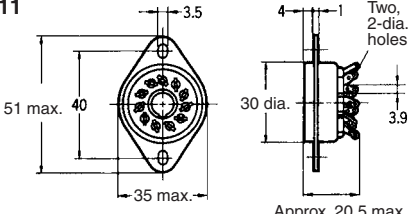
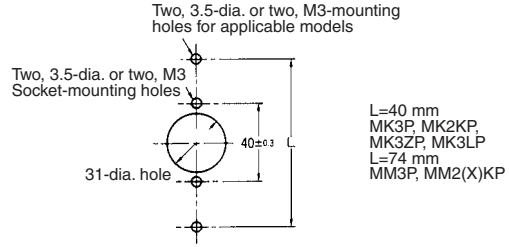
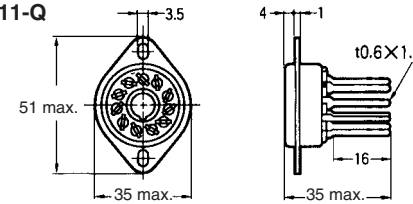

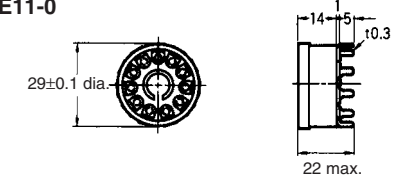
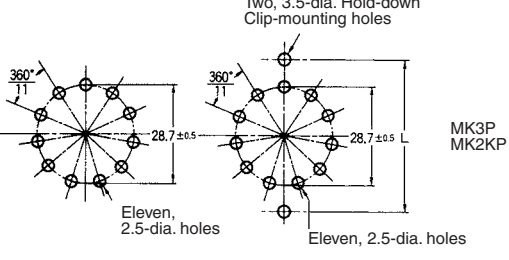
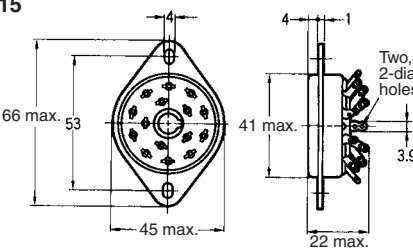
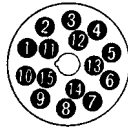
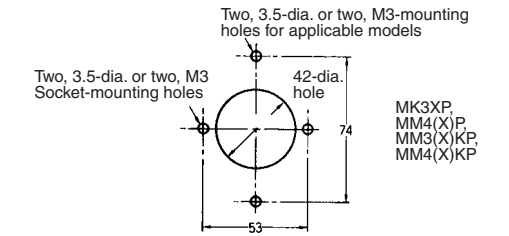
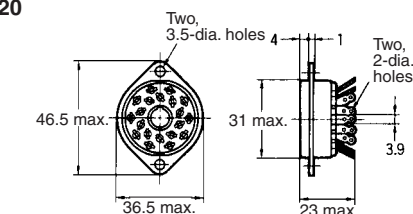
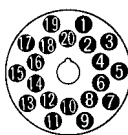
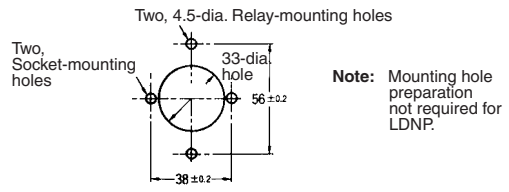
Dimensions	Terminal arrangement/ Internal connections (top view)	Mounting holes
<p>P3G-08</p> 		<p>---</p>
<p>P3GA-11</p> 		<p>---</p>

■ PL Dimensions

Dimensions	Terminal arrangement/ Internal connections (bottom view)	Mounting holes
<p>PL08</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>PL08-Q</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>PLE08-0</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>PL11</p> 		 <p>L=40 mm MK3P, MK2KP, MK3ZP, MK3LP L=74 mm MM3P, MM2(X)KP</p>
<p>PL11-Q</p> 		
<p>PLE11-0</p> 		 <p>MK3P MK2KP</p> <p>L= Distance between mounting holes required for MK</p>
<p>PL15</p> 		 <p>MK3XP MM4(X)P MM3(X)KP MM4(X)KP</p>
<p>PL20</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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