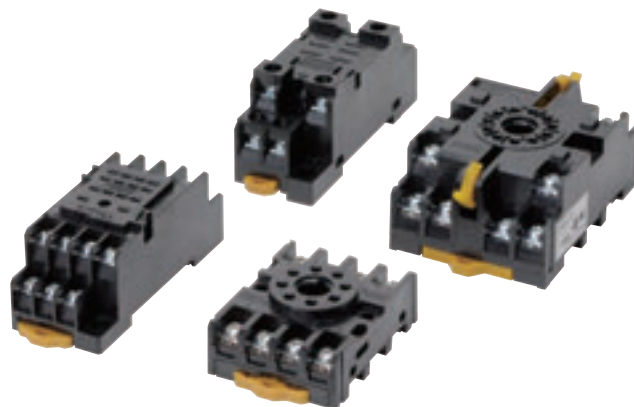


# Common Sockets

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

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

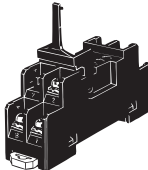
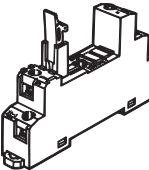
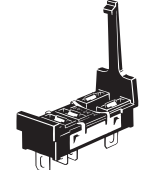
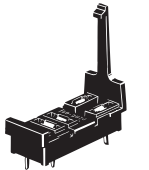
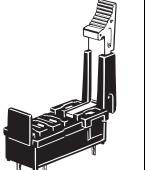
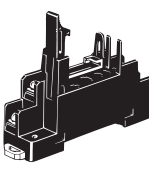
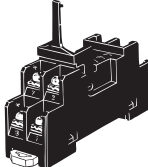
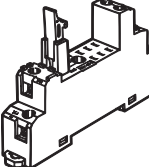
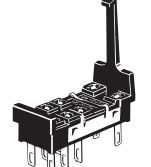
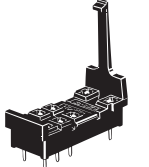
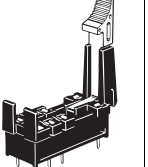
- Models available with finger protection.
- Hold-down Clips and Short Bars for PYFZ/PYF Sockets are also available.
- New screwless models available.



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

## Ordering Information

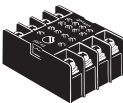
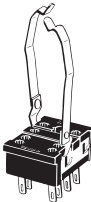
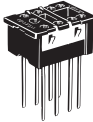
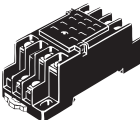
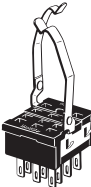
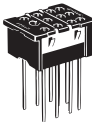
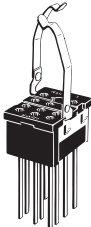
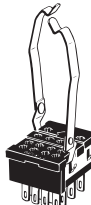
### Square Sockets

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

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

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

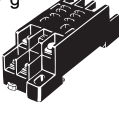
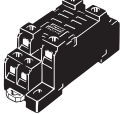
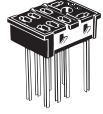
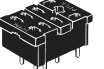
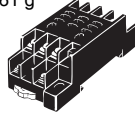
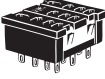
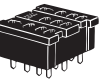
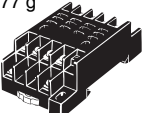
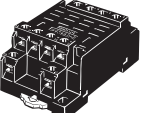
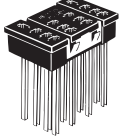
\* Use a #1 Phillips screwdriver to tighten the screws on this Socket.

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

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

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

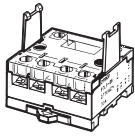
\*2. The structure does not resist flux. Manual soldering is recommended for this product.

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

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

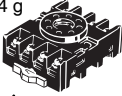
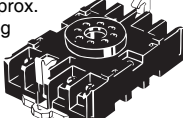
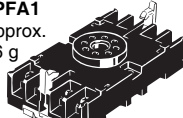
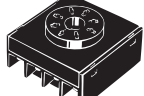
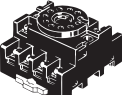
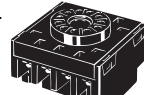
\* Use a #1 Phillips screwdriver to tighten the screws on this Socket.

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

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

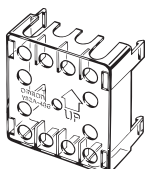
**Note:** Refer to *Models with Standards Certification* for detailed information on the models of Common Sockets that are certified for standards.

## Round Sockets

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

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

## Terminal Cover

| Model      | Y92A-48G                                                                            |
|------------|-------------------------------------------------------------------------------------|
| Appearance |  |

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



## Hold-down Clips For Square Sockets

(Unit: mm)

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

## For Round Sockets

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

## Applicable Hold-down Clips

### For Square Sockets

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

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

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

### For Round Sockets

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

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

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

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

## Specifications

### Socket Characteristics

| Model          | Continuous carry current | Dielectric strength                                                                                                                                                                                                                                 | Insulation resistance* | Remarks                                                                                                                                         |
|----------------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| P2RFZ-05-E     | 10 A                     | Between contact terminals of same polarity: 1,000 VAC for 1 min<br>Between coil and contact terminals: 4,000 VAC for 1 min                                                                                                                          | 1,000 MΩ min.          |                                                                                                                                                 |
| P2RFZ-08-E     | 5 A                      | Between contact terminals of different polarity: 3,000 VAC for 1 min<br>Between contact terminals of same polarity: 1,000 VAC for 1 min<br>Between coil and contact terminals: 4,000 VAC for 1 min                                                  | 1,000 MΩ min.          |                                                                                                                                                 |
| P2RF-05(-E)    | 10 A                     | Between contact terminals of same polarity: 1,000 VAC for 1 min<br>Between coil and contact terminals: 4,000 VAC for 1 min                                                                                                                          | 1,000 MΩ min.          |                                                                                                                                                 |
| P2RF-08(-E)    | 5 A                      | Between contact terminals of different polarity: 3,000 VAC for 1 min<br>Between contact terminals of same polarity: 1,000 VAC for 1 min<br>Between coil and contact terminals: 4,000 VAC for 1 min                                                  | 1,000 MΩ min.          |                                                                                                                                                 |
| P2R-05P        | 10 A                     | Between contact terminals of same polarity: 1,000 VAC for 1 min<br>Between coil and contact terminals: 4,000 VAC for 1 min                                                                                                                          | 1,000 MΩ min.          |                                                                                                                                                 |
| P2R-08P        | 5 A                      | Between contact terminals of different polarity: 3,000 VAC for 1 min<br>Between contact terminals of same polarity: 1,000 VAC for 1 min<br>Between coil and contact terminals: 4,000 VAC for 1 min                                                  | 1,000 MΩ min.          |                                                                                                                                                 |
| P2R-057P       | 10 A                     | Between contact terminals of same polarity: 1,000 VAC for 1 min<br>Between coil and contact terminals: 5,000 VAC for 1 min                                                                                                                          | 1,000 MΩ min.          |                                                                                                                                                 |
| P2R-087P       | 5 A                      | Between contact terminals of different polarity: 3,000 VAC for 1 min<br>Between contact terminals of same polarity: 1,000 VAC for 1 min<br>Between coil and contact terminals: 5,000 VAC for 1 min                                                  | 1,000 MΩ min.          |                                                                                                                                                 |
| P2R-05A        | 10 A                     | Between contact terminals of same polarity: 1,000 VAC for 1 min<br>Between ground terminals: 1,500 VAC for 1 min<br>Between coil and contact terminals: 4,000 VAC for 1 min                                                                         | 1,000 MΩ min.          |                                                                                                                                                 |
| P2R-08A        | 5 A                      | Between contact terminals of different polarity: 3,000 VAC for 1 min<br>Between contact terminals of same polarity: 1,000 VAC for 1 min<br>Between ground terminals: 1,500 VAC for 1 min<br>Between coil and contact terminals: 4,000 VAC for 1 min | 1,000 MΩ min.          |                                                                                                                                                 |
| P7TF-05        | 5 A                      | Between terminals: 2,000 VAC for 1 min                                                                                                                                                                                                              | 1,000 MΩ min.          |                                                                                                                                                 |
| PYFZ-08(-E)    | 10 A                     | Between contact terminals of different polarity: 2,250 VAC for 1 min<br>Between contact terminals of same polarity: 2,250 VAC for 1 min<br>Between coil and contact terminals: 2,250 VAC for 1 min                                                  | 1,000 MΩ min.          |                                                                                                                                                 |
| PYF08A(-E)     | 7 A                      | Between terminals: 2,000 VAC for 1 min                                                                                                                                                                                                              | 1,000 MΩ min.          | The continuous carry current of 10 A for the PYF08S is for an ambient temperature of 55°C. At an ambient temperature of 70°C, the value is 7 A. |
| PYF11A         | 5 A                      | Between terminals: 2,000 VAC for 1 min                                                                                                                                                                                                              | 1,000 MΩ min.          |                                                                                                                                                 |
| PYFZ-14(-E)    | 6 A                      | Between contact terminals of different polarity: 2,250 VAC for 1 min<br>Between contact terminals of same polarity: 2,250 VAC for 1 min<br>Between coil and contact terminals: 2,250 VAC for 1 min                                                  | 1,000 MΩ min.          |                                                                                                                                                 |
| PYF14A(-E)     | 3 A                      | Between terminals: 2,000 VAC for 1 min                                                                                                                                                                                                              | 1,000 MΩ min.          |                                                                                                                                                 |
| PY08(-Y1)(-Y3) | 7 A                      | Between terminals: 1,500 VAC for 1 min                                                                                                                                                                                                              | 1,000 MΩ min.          |                                                                                                                                                 |
| PY08QN(-Y1)    | 7 A                      | Between terminals: 1,500 VAC for 1 min                                                                                                                                                                                                              | 100 MΩ min.            |                                                                                                                                                 |
| PY08-02        | 7 A                      | Between terminals: 1,500 VAC for 1 min                                                                                                                                                                                                              | 100 MΩ min.            |                                                                                                                                                 |
| PY11(-Y1)      | 5 A                      | Between terminals: 1,500 VAC for 1 min                                                                                                                                                                                                              | 100 MΩ min.            |                                                                                                                                                 |
| PY11QN(-Y1)    | 5 A                      | Between terminals: 1,500 VAC for 1 min                                                                                                                                                                                                              | 100 MΩ min.            |                                                                                                                                                 |
| PY11-02        | 5 A                      | Between terminals: 1,500 VAC for 1 min                                                                                                                                                                                                              | 100 MΩ min.            |                                                                                                                                                 |
| PY14(-Y1)(-Y3) | 3 A                      | Between terminals: 1,500 VAC for 1 min                                                                                                                                                                                                              | 100 MΩ min.            |                                                                                                                                                 |
| PY14QN(-Y1)    | 3 A                      | Between terminals: 1,500 VAC for 1 min                                                                                                                                                                                                              | 100 MΩ min.            |                                                                                                                                                 |
| PY14-02        | 3 A                      | Between terminals: 1,500 VAC for 1 min                                                                                                                                                                                                              | 100 MΩ min.            |                                                                                                                                                 |
| PTF□□A(-E)     | 10 A                     | Between terminals: 2,000 VAC for 1 min                                                                                                                                                                                                              | 100 MΩ min.            |                                                                                                                                                 |
| PT□□           | 10 A                     | Between terminals: 2,000 VAC for 1 min                                                                                                                                                                                                              | 100 MΩ min.            |                                                                                                                                                 |
| PT□□QN         | 10 A                     | Between terminals: 2,000 VAC for 1 min                                                                                                                                                                                                              | 100 MΩ min.            |                                                                                                                                                 |
| PT□□-0         | 10 A                     | Between terminals: 2,000 VAC for 1 min                                                                                                                                                                                                              | 100 MΩ min.            |                                                                                                                                                 |
| P7LF-06        | 30 A                     | Between contact terminals of different polarity: 2,000 VAC for 1 min<br>Between contact terminals of same polarity: 2,000 VAC for 1 min<br>Between coil and contact terminals: 4,000 VAC for 1 min                                                  | 1,000 MΩ min.          |                                                                                                                                                 |
| PF□□□A(-E)     | 5 A                      | Between terminals: 2,000 VAC for 1 min                                                                                                                                                                                                              | 1,000 MΩ min.          |                                                                                                                                                 |
| P2CF-□(-E)     | 5 A                      | Between terminals: 2,000 VAC for 1 min                                                                                                                                                                                                              | 1,000 MΩ min.          |                                                                                                                                                 |
| 8PFA(1)        | 10 A                     | Between terminals: 2,000 VAC for 1 min                                                                                                                                                                                                              | 1,000 MΩ min.          |                                                                                                                                                 |
| 11PFA(1)       | 10 A                     | Between terminals: 2,000 VAC for 1 min                                                                                                                                                                                                              | 1,000 MΩ min.          |                                                                                                                                                 |
| P3G(A)-□       | 6 A                      | Between terminals: 2,000 VAC for 1 min                                                                                                                                                                                                              | 1,000 MΩ min.          |                                                                                                                                                 |
| PL□(-Q)        | 10 A                     | Between terminals: 2,000 VAC for 1 min                                                                                                                                                                                                              | 1,000 MΩ min.          |                                                                                                                                                 |
| PLE□□-0        | 10 A                     | Between terminals: 2,000 VAC for 1 min                                                                                                                                                                                                              | 1,000 MΩ min.          |                                                                                                                                                 |

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

## Safety Precautions

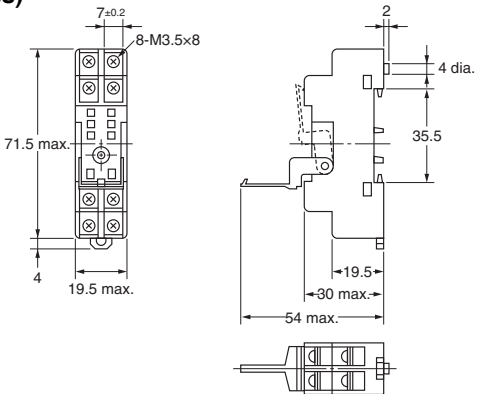
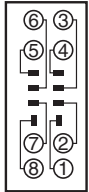
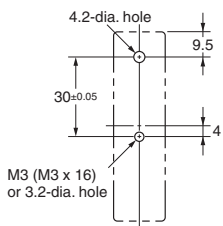
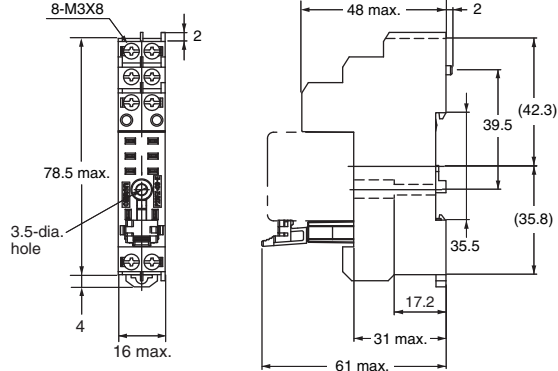
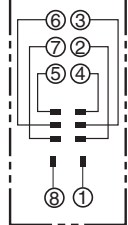
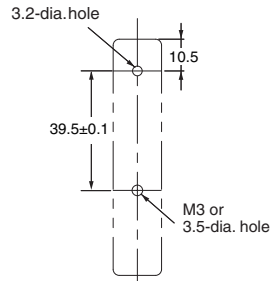
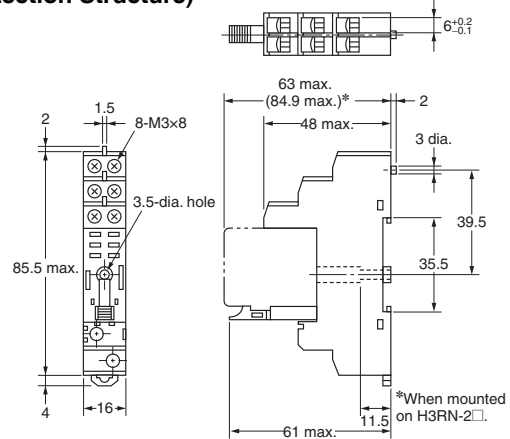
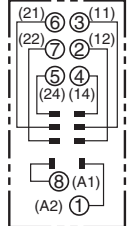
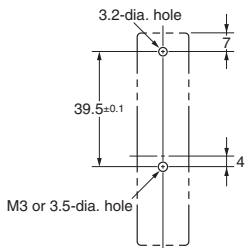
Refer to *Common Relay Precautions* for general precautions.

## Dimensions

### P2RF

(Unit: mm)

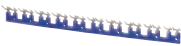
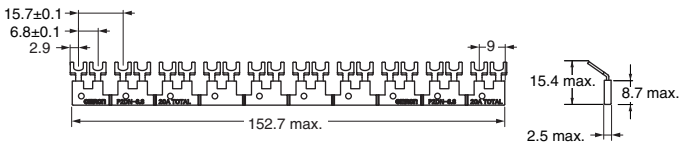
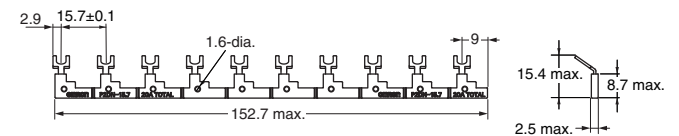
| Dimensions                                                         | Terminal Arrangement/<br>Internal Connections                                               | Mounting Hole Dimensions                                               |
|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| <b>P2RF-05<br/>(One Pole)</b>                                      | <p>(Top View)</p>                                                                           | <p>(Top View)</p> <p><b>Note:</b> Track mounting is also possible.</p> |
| <b>P2RFZ-05-E<br/>(One Pole)<br/>(Finger Protection Structure)</b> | <p>(Top View)</p>                                                                           | <p>(Top View)</p> <p><b>Note:</b> Track mounting is also possible.</p> |
| <b>P2RF-05-E (One Pole)<br/>(Finger Protection Structure)</b>      | <p>(Top View)</p> <p><b>Note:</b> Figures in parentheses indicate DIN standard numbers.</p> | <p>(Top View)</p> <p><b>Note:</b> Track mounting is also possible.</p> |

| Dimensions                                                                                                                                                                                                                                                                                                                                                                 | Terminal Arrangement/<br>Internal Connections                                                                                                                                    | Mounting Hole Dimensions                                                                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>P2RF-08</b><br><b>(Two Poles)</b>  <p>71.5 max.<br/>7±0.2<br/>8-M3.5×8<br/>4<br/>19.5 max.<br/>2<br/>4 dia.<br/>35.5<br/>19.5<br/>30 max.<br/>54 max.</p>                                                                                                                              |  <p>(Top View)</p>                                                                              |  <p>(Top View)</p> <p><b>Note:</b> Track mounting is also possible.</p>   |
| <b>P2RFZ-08-E</b><br><b>(Two Poles)</b><br><b>(Finger Protection Structure)</b>  <p>8-M3X8<br/>2<br/>78.5 max.<br/>3.5-dia. hole<br/>4<br/>16 max.<br/>48 max.<br/>2<br/>39.5<br/>(42.3)<br/>35.5<br/>(35.8)<br/>17.2<br/>31 max.<br/>61 max.</p>                                        |  <p>(Top View)</p>                                                                            |  <p>(Top View)</p> <p><b>Note:</b> Track mounting is also possible.</p>  |
| <b>P2RF-08-E</b><br><b>(Two Poles)</b><br><b>(Finger Protection Structure)</b>  <p>63 max.<br/>(84.9 max.)*<br/>48 max.<br/>2<br/>3 dia.<br/>39.5<br/>35.5<br/>11.5<br/>61 max.<br/>85.5 max.<br/>2<br/>1.5<br/>8-M3×8<br/>3.5-dia. hole<br/>4<br/>16<br/>*When mounted on H3RN-2□.</p> |  <p>(Top View)</p> <p><b>Note:</b> Figures in parentheses indicate DIN standard numbers.</p> |  <p>(Top View)</p> <p><b>Note:</b> Track mounting is also possible.</p> |

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

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

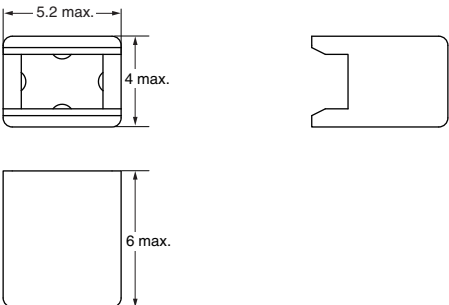
## Short Bars

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

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

## Accessories for Short Bars (P2DN)

## Cap

| Applicable models        | Appearance                                                                         | Dimensions (mm)                                                                     | Model      |
|--------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------|
| P2RFZ-05-E<br>P2RFZ-08-E |  |  | P2DN-CP100 |

## P2R

(Unit: mm)

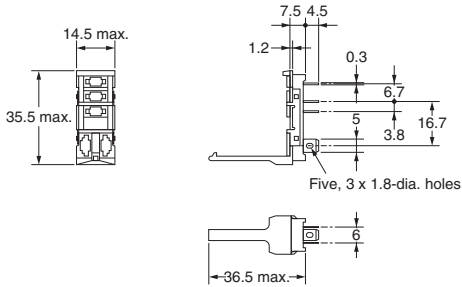
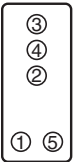
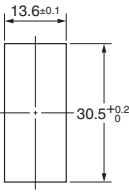
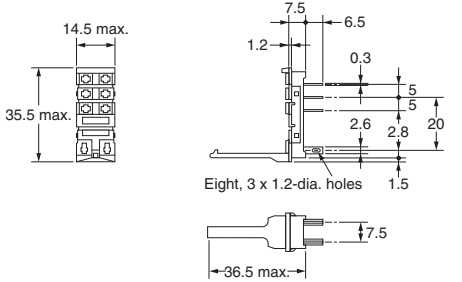
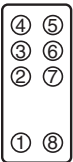
| Dimensions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Terminal Arrangement/<br>Internal Connections | PCB Dimensions                                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|--------------------------------------------------|
| <b>P2R-05P (One Pole)</b><br><p>Front view: 14.5 max. (width), 35.5 max. (height).<br/> Side view: 7.5 (top flange), 3.5 (terminal pitch), 1 (terminal width), 6 (terminal height), 1.2 (terminal offset), 4.5 (terminal offset), 1.5 (terminal offset), 4 (terminal offset), 1.5 (terminal offset), 7 (terminal offset), 36.5 max. (total width).<br/> Bottom view: 4 (terminal width), 7 (terminal offset).</p>                                                                                             | <p>(Bottom View)</p>                          | <p>(Bottom View)</p> <p>Five, 1.6-dia. holes</p> |
| <b>P2R-08P (Two Poles)</b><br><p>Front view: 14.5 max. (width), 35.5 max. (height).<br/> Side view: 7.5 (top flange), 3.5 (terminal pitch), 0.3 (terminal offset), 5 (terminal height), 2.8 (terminal offset), 20 (terminal offset), 1.5 (terminal offset), 7.5 (terminal offset), 36.5 max. (total width).<br/> Bottom view: 7.5 (terminal width), 7.5 (terminal offset).</p>                                                                                                                                | <p>(Bottom View)</p>                          | <p>(Bottom View)</p> <p>Eight, 1.3-dia holes</p> |
| <b>P2R-057P (One Pole)</b><br><p>Front view: 14 max. (width), 8.7 (terminal width), 0.7 (terminal offset), 37 max. (height), 29.6 (terminal offset), 8.7 (terminal offset).<br/> Side view: 16.4 (top flange), 10.4 (terminal pitch), 3.5 (terminal width), 1 (terminal offset), 6 (terminal height), 4.5 (terminal offset), 1.5 (terminal offset), 4 (terminal offset), 8.75 (terminal offset), 7.4 (terminal offset).<br/> Bottom view: 4 (terminal width), 7 (terminal offset), 41 max. (total width).</p> | <p>(Bottom View)</p>                          | <p>(Bottom View)</p> <p>Five, 1.6-dia. holes</p> |
| <b>P2R-087P (Two Poles)</b><br><p>Front view: 14 max. (width), 7.5 (terminal width), 37 max. (height), 29.1 (terminal offset), 8.9 (terminal offset).<br/> Side view: 16.4 (top flange), 10.4 (terminal pitch), 3.5 (terminal width), 0.3 (terminal offset), 5 (terminal height), 5 (terminal offset), 20 (terminal offset), 8.1 (terminal offset), 7.4 (terminal offset).<br/> Bottom view: 7.5 (terminal width), 7.5 (terminal offset), 41 max. (total width).</p>                                          | <p>(Bottom View)</p>                          | <p>(Bottom View)</p> <p>Eight, 1.3-dia holes</p> |

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



## P2R

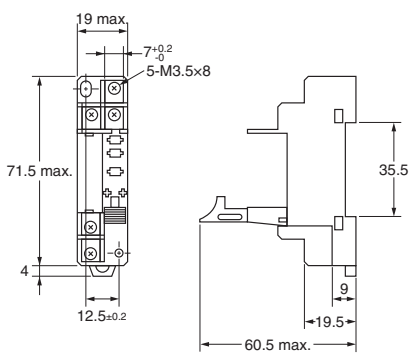
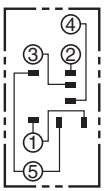
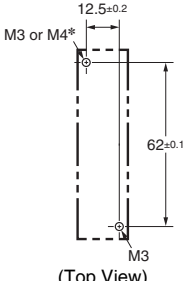
(Unit: mm)

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

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

## P7TF

(Unit: mm)

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

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

## PYFZ/PYF

(Unit: mm)

| Dimensions                                                         |  | Terminal Arrangement/Internal Connections | Mounting Hole Dimensions                                                            |
|--------------------------------------------------------------------|--|-------------------------------------------|-------------------------------------------------------------------------------------|
| <div>PYFZ-08</div> <div></div>                                     |  | <div></div> <div>(Top View)</div>         | <div></div> <div>(Top View)</div> <div>Note: Track mounting is also possible.</div> |
| <div>PYFZ-08-E<br/>(Finger Protection Structure)</div> <div></div> |  |                                           |                                                                                     |
| <div>PYF08A</div> <div></div>                                      |  | <div></div> <div>(Top View)</div>         | <div></div> <div>(Top View)</div> <div>Note: Track mounting is also possible.</div> |
| <div>PYF08A-E<br/>(Finger Protection Structure)</div> <div></div>  |  |                                           |                                                                                     |
| <div>PYF08M</div> <div></div>                                      |  | <div></div> <div>(Top View)</div>         | <div></div>                                                                         |
| <div>PYF11A</div> <div></div>                                      |  | <div></div> <div>(Top View)</div>         | <div></div> <div>(Top View)</div> <div>Note: Track mounting is also possible.</div> |

## PYFZ/PYF

(Unit: mm)

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

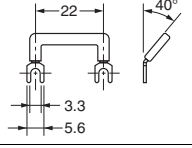
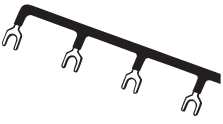
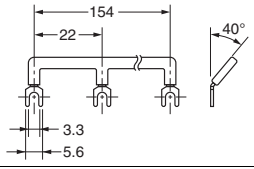
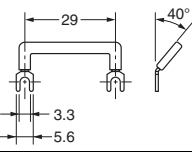
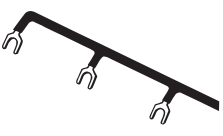
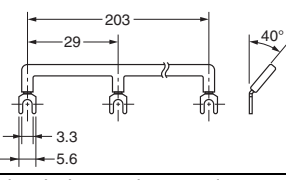
## Relay Sockets and Short Bars for PYFZ/PYF

### Bridges within the Same Socket

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

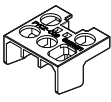
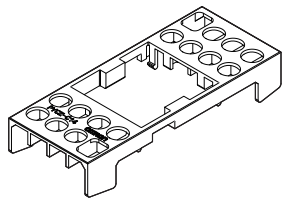
**Note:** The □ in the model number is replaced with the insulation color specification code. B: Black, Y: Yellow

## Bridges between Adjacent Sockets

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

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

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

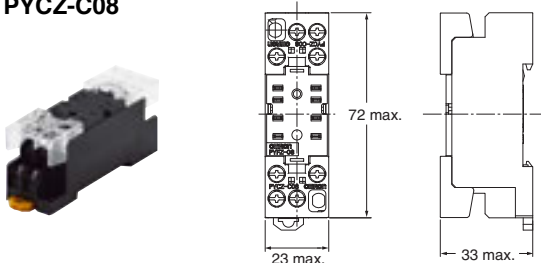
| Applicable models | Appearance                                                                          | Model                   |
|-------------------|-------------------------------------------------------------------------------------|-------------------------|
| PYFZ-08           |  | PYCZ-C08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

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

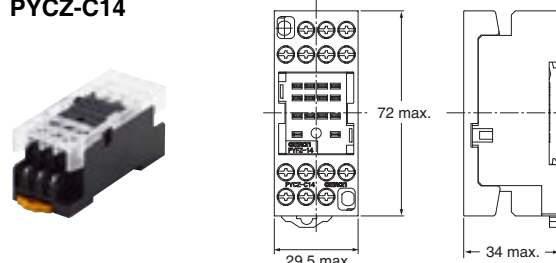
## Dimensions with terminal cover

(Unit: mm)

PYCZ-C08

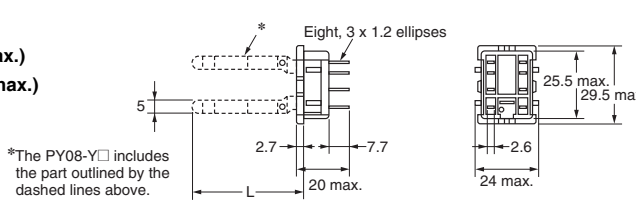
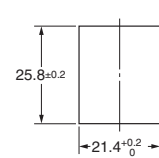
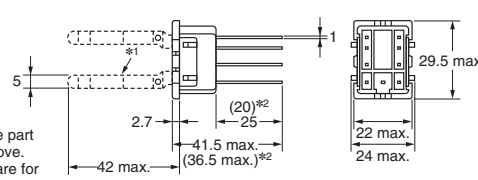
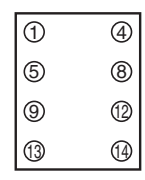
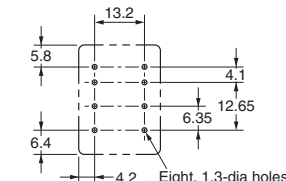
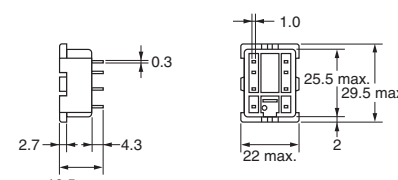
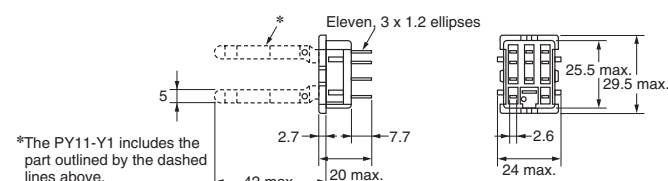
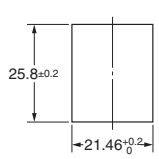
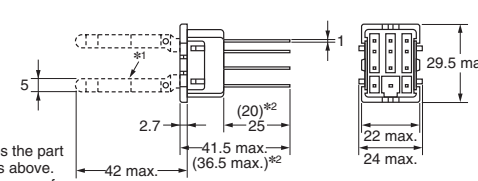
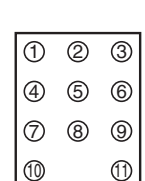
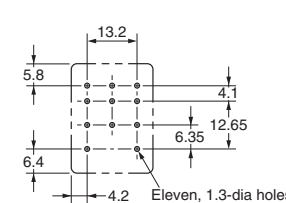
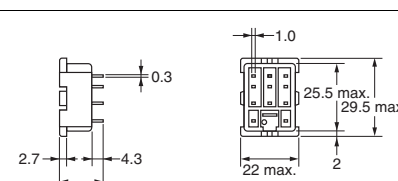


PYCZ-C14



## PY

(Unit: mm)

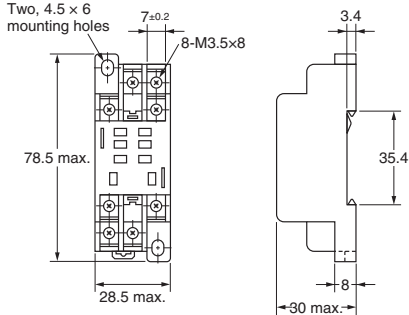
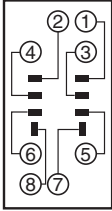
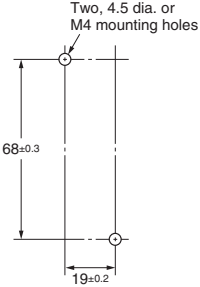
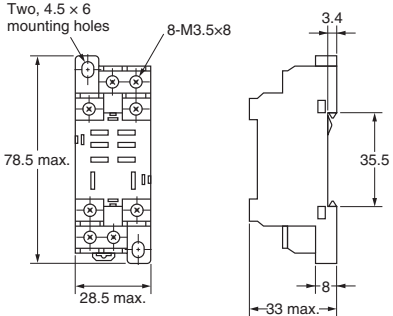
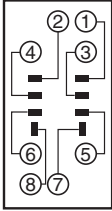
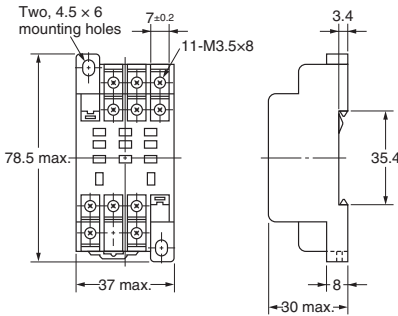
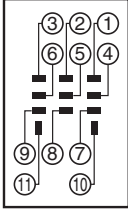
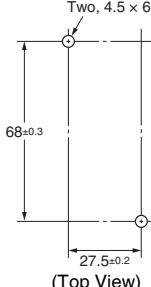
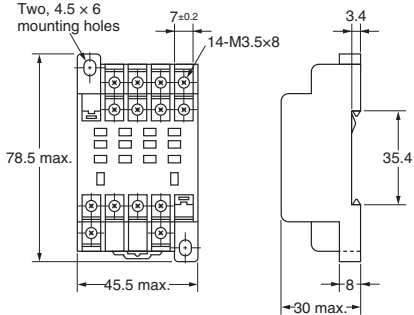
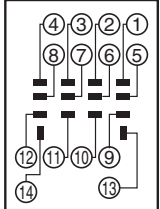
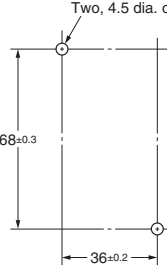
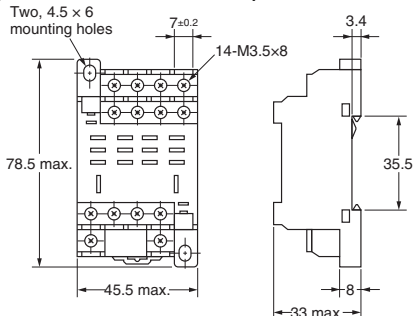
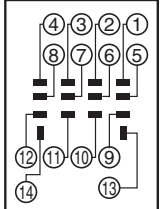
| Dimensions                                                                                                                                                                                                                                                                                                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

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

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

## PTF

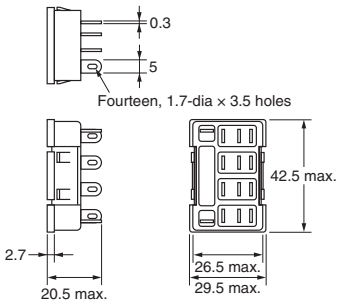
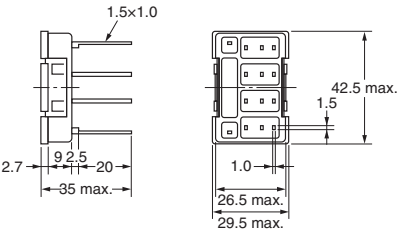
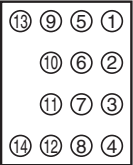
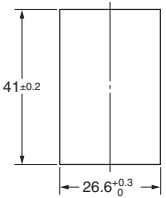
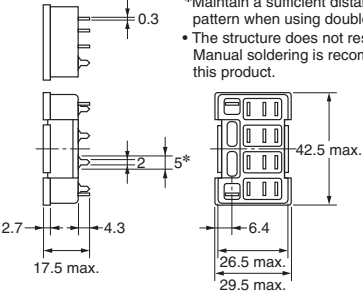
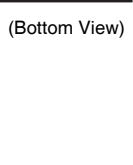
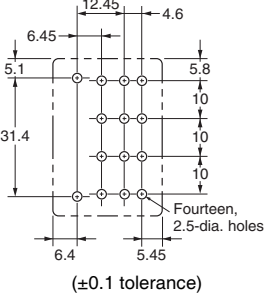
(Unit: mm)

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

**Note:** If you use the PTF08A, PTF08A-E, or PT08 with an LY1 Relay, connect the following terminal pairs: 1-2, 3-4, and 5-6 (for usage at 10 A or higher).

| PT                                                                                                                                                                                                                 |  | (Unit: mm)                                    |                                                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------|---------------------------------------------------------------|
| Dimensions                                                                                                                                                                                                         |  | Terminal Arrangement/<br>Internal Connections | Mounting hole and PCB dimensions                              |
| <div>PT08</div> <div><p>Eight, 1.7-dia x 3.5 oblong holes</p></div> <div>PT08QN</div> <div></div>                                                                                                                  |  | <div><p>(Bottom View)</p></div>               | <div></div>                                                   |
| <div>PT08-0</div> <div><p>*Maintain a sufficient distance from the pattern when using double-sided PCBs.<br/>• The structure does not resist flux.<br/>Manual soldering is recommended for this product.</p></div> |  | <div><p>(Bottom View)</p></div>               | <div><p>Eight, 2.5-dia. holes<br/>(±0.1 tolerance)</p></div>  |
| <div>PT11</div> <div><p>Eleven, 1.7-dia x 3.5 holes</p></div> <div>PT11QN</div> <div></div>                                                                                                                        |  | <div><p>(Bottom View)</p></div>               | <div></div>                                                   |
| <div>PT11-0</div> <div><p>*Maintain a sufficient distance from the pattern when using double-sided PCBs.<br/>• The structure does not resist flux.<br/>Manual soldering is recommended for this product.</p></div> |  | <div><p>(Bottom View)</p></div>               | <div><p>Eleven, 2.5-dia. holes<br/>(±0.1 tolerance)</p></div> |

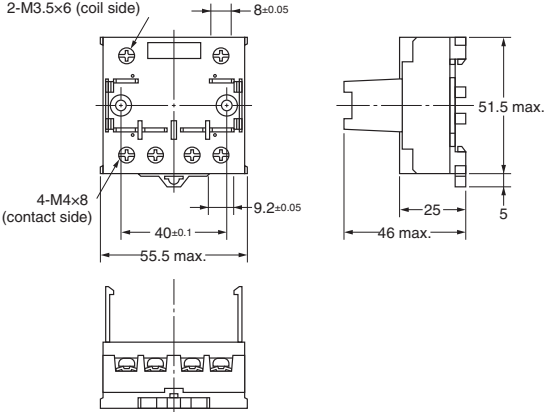
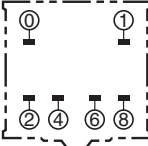
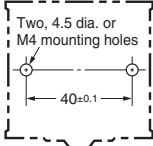


| Dimensions                                                                                                                                                                                                                                                                                     | Terminal Arrangement/<br>Internal Connections                                                            | Mounting hole and PCB dimensions                                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| <p><b>PT14</b></p>  <p>Fourteen, 1.7-dia × 3.5 holes</p> <p><b>PT14QN</b></p>                                                |  <p>(Bottom View)</p> |                          |
| <p><b>PT14-0</b></p>  <p>*Maintain a sufficient distance from the pattern when using double-sided PCBs.<br/>• The structure does not resist flux.<br/>• Manual soldering is recommended for this product.</p> |  <p>(Bottom View)</p> |  <p>(±0.1 tolerance)</p> |

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

## P7LF

(Unit: mm)

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

PF

(Unit: mm)

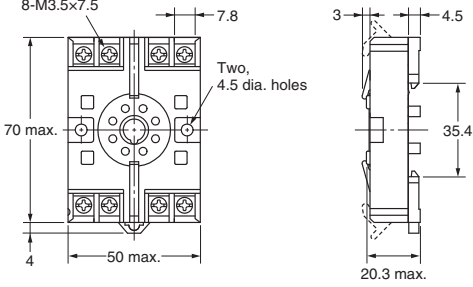
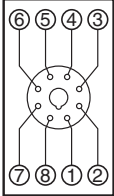
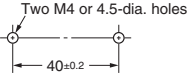
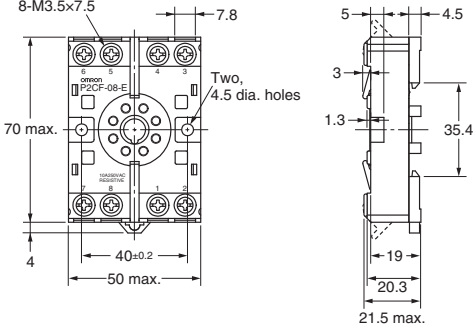
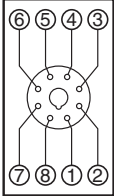
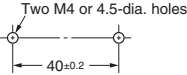
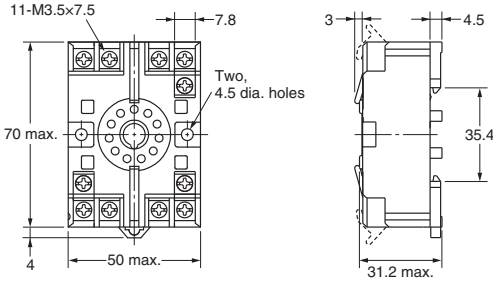
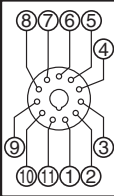
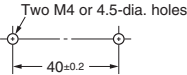
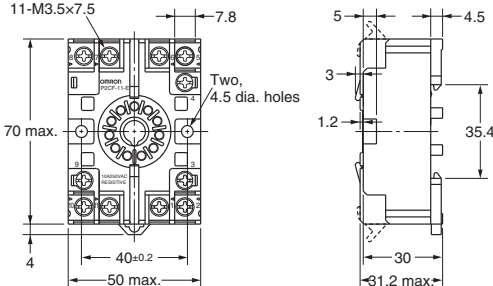
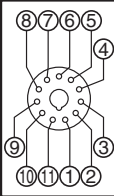
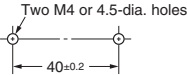
| Dimensions          | Terminal Arrangement/<br>Internal Connections | Mounting Hole Dimensions                          |
|---------------------|-----------------------------------------------|---------------------------------------------------|
| <b>PF083A</b><br>   |                             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

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

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

## P2CF

(Unit: mm)

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

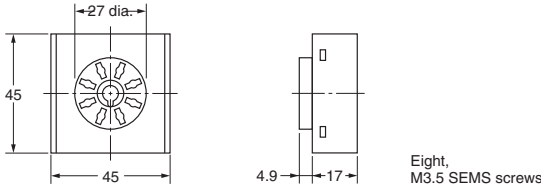
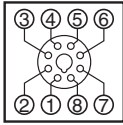
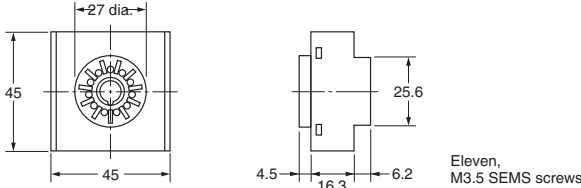
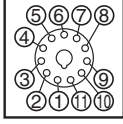
## PFA

(Unit: mm)

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

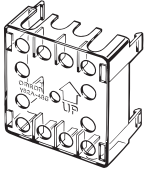
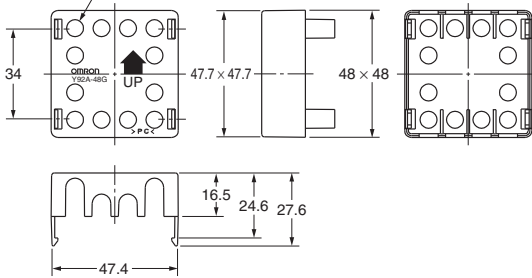
## P3G/P3GA

(Unit: mm)

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

## Terminal Cover

(Unit: mm)

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

## PL

(Unit: mm)

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

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

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

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