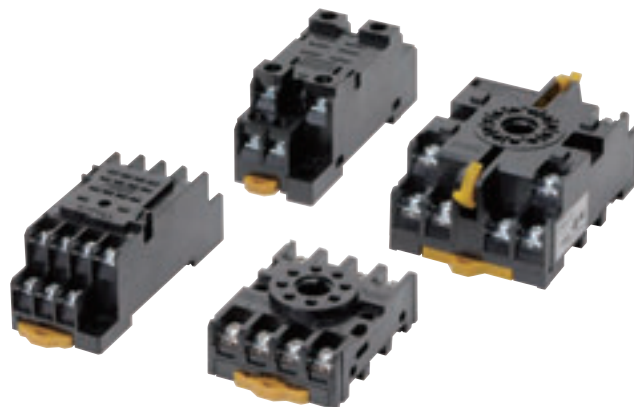


# Common Sockets

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

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

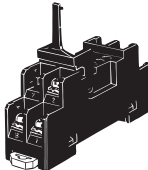
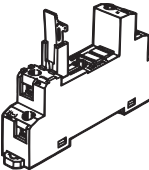
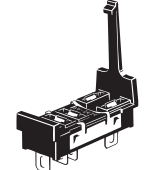
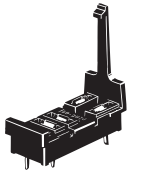
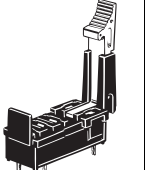
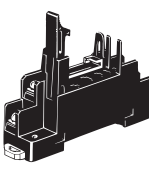
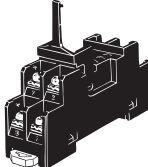
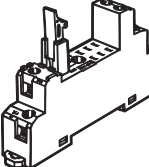
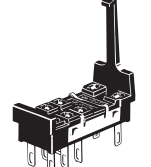
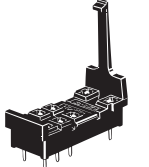
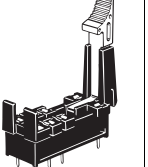
- Models available with finger protection.
- Hold-down Clips and Short Bars for PYFZ/PYF Sockets are also available.
- New screwless models available.



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

## Ordering Information

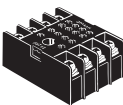
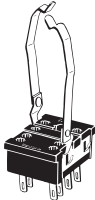
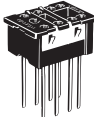
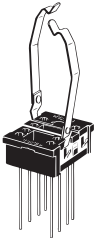
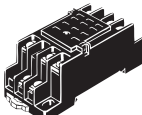
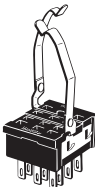
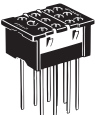
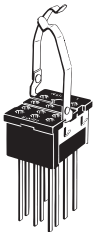
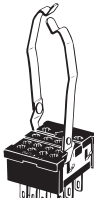
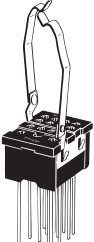
### Square Sockets

| Model<br>Number of pins | P2RF (front-mounting), page 8                                                       |                                                                                     |                                                                                     | P2R (back-mounting), pages 11 and 12                                                |                                                                                      |                                                                                       | P7TF (front-mounting),<br>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.

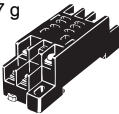
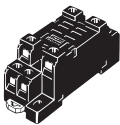
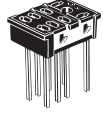
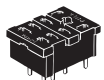
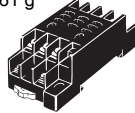
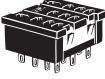
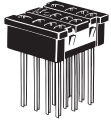
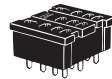
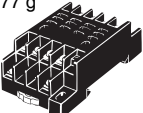
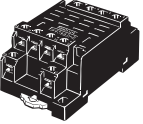
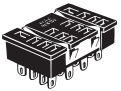
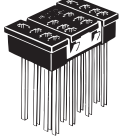
\* Use a #1 Phillips screwdriver to tighten the screws on this Socket.

| 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.

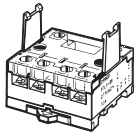
\*2. The structure does not resist flux. Manual soldering is recommended for this product.

| 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.

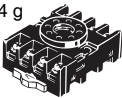
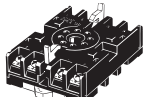
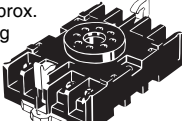
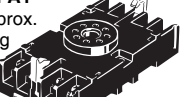
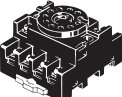
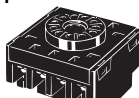
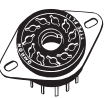
\* Use a #1 Phillips screwdriver to tighten the screws on this Socket.

\* 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> |

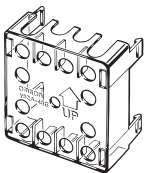
**Note:** Refer to *Models with Standards Certification* for detailed information on the models of Common Sockets that are certified for standards.

## 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

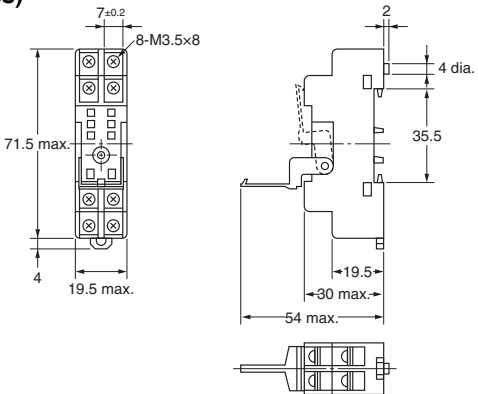
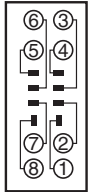
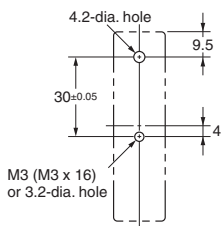
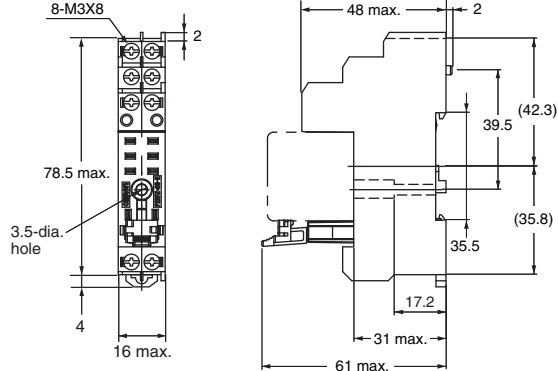
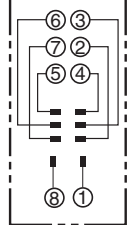
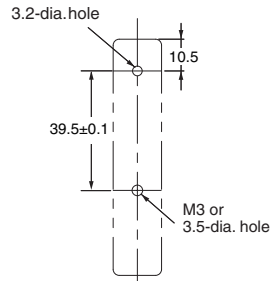
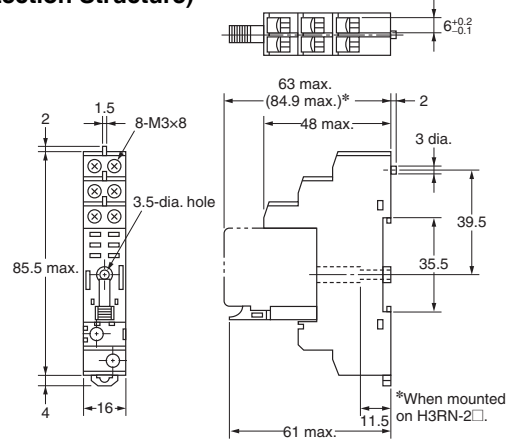
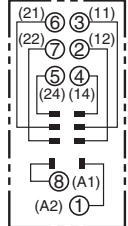
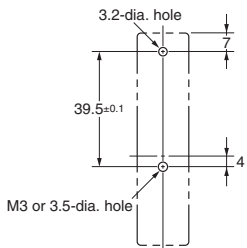
Refer to *Common Relay Precautions* for general precautions.

## Dimensions

### P2RF

(Unit: mm)

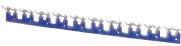
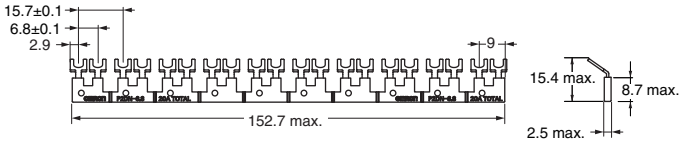
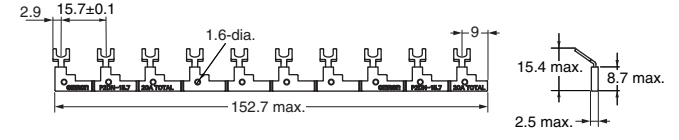
| Dimensions                                                         | Terminal Arrangement/<br>Internal Connections                                               | Mounting Hole Dimensions                                               |
|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| <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)

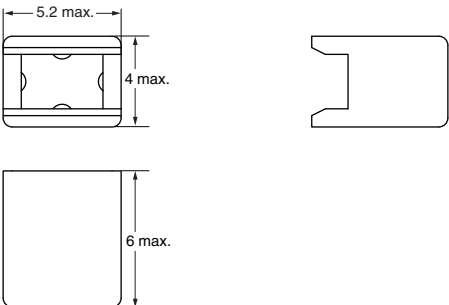
### Short Bars

| 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

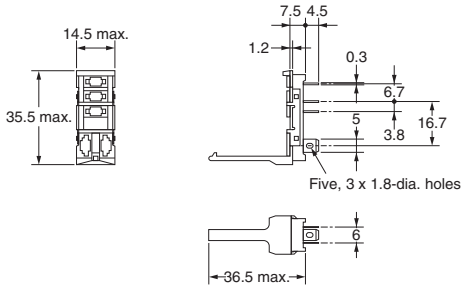
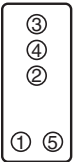
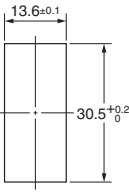
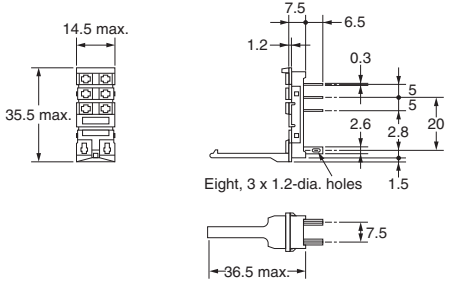
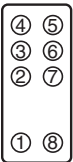
(Unit: mm)

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

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

## P2R

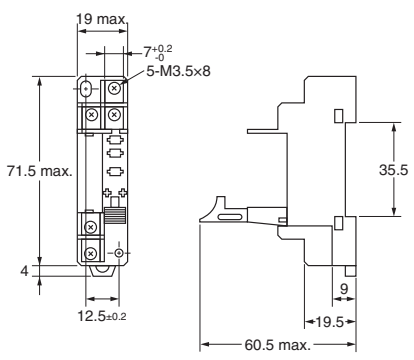
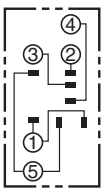
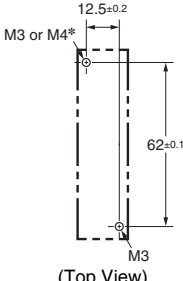
(Unit: mm)

| Dimensions                                                                                                    | Terminal Arrangement/<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

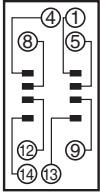
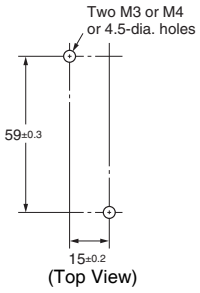
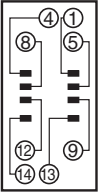
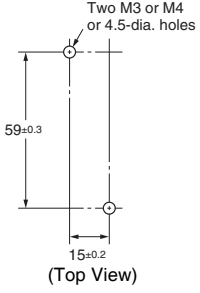
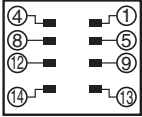
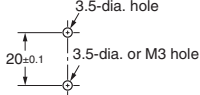
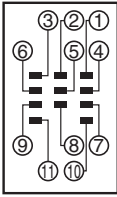
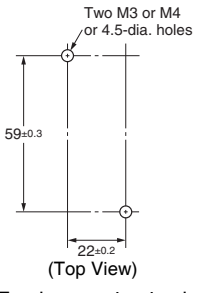
(Unit: mm)

| 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                                                                                                                             |
|----------------|----------------------------------------------------|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>PYFZ-08</b> | <b>PYFZ-08-E<br/>(Finger Protection Structure)</b> | <br>(Top View)  | <br>(Top View)<br><b>Note:</b> Track mounting is also possible.   |
| <b>PYF08A</b>  | <b>PYF08A-E<br/>(Finger Protection Structure)</b>  | <br>(Top View) | <br>(Top View)<br><b>Note:</b> Track mounting is also possible.  |
| <b>PYF08M</b>  |                                                    | <br>(Top View) | <br>(Top View)                                                  |
| <b>PYF11A</b>  |                                                    | <br>(Top View) | <br>(Top View)<br><b>Note:</b> Track mounting is also possible. |

## PYFZ/PYF

(Unit: mm)

| Dimensions                                                                                                                                                                                                                                    |  | Terminal Arrangement/Internal Connections | Mounting Hole Dimensions                                                         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------|----------------------------------------------------------------------------------|
| <div>PYFZ-14</div> <div><p>Two, 4.2 × 5 mounting holes</p><p>6<sup>+0.2</sup><sub>-0.1</sub></p><p>14-M3×8</p><p>72 max.</p><p>4</p><p>29.5 max.</p><p>30 max.</p><p>35.4</p><p>6</p></div>                                                   |  | <div><p>(Top View)</p></div>              | <div><p>(Top View)</p><p><b>Note:</b> Track mounting is also possible.</p></div> |
| <div>PYFZ-14-E<br/>(Finger Protection Structure)</div> <div><p>Two, 4.2-dia × 5 mounting holes</p><p>6<sup>+0.2</sup><sub>-0.1</sub></p><p>14-M3×8</p><p>72 max.</p><p>4</p><p>29.5 max.</p><p>31 max.</p><p>35.4</p><p>6</p></div>           |  |                                           |                                                                                  |
| <div>PYF14A</div> <div><p>Two, 4.2 × 5 mounting holes</p><p>6<sup>+0.2</sup><sub>-0.1</sub></p><p>14-M3×8</p><p>72 max.</p><p>4</p><p>29.5 max.</p><p>30 max.</p><p>35.4</p><p>6</p><p>16.5</p></div>                                         |  | <div><p>(Top View)</p></div>              | <div><p>(Top View)</p><p><b>Note:</b> Track mounting is also possible.</p></div> |
| <div>PYF14A-E<br/>(Finger Protection Structure)</div> <div><p>Two, 4.2-dia × 5 mounting holes</p><p>6<sup>+0.2</sup><sub>-0.1</sub></p><p>14-M3×8</p><p>72 max.</p><p>4</p><p>29.5 max.</p><p>31 max.</p><p>35.4</p><p>6</p><p>16.5</p></div> |  |                                           |                                                                                  |

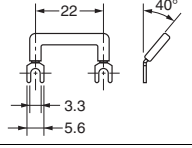
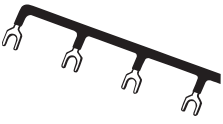
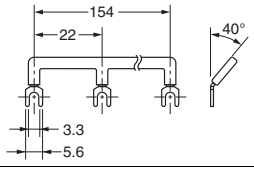
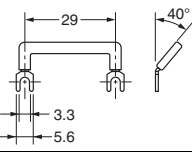
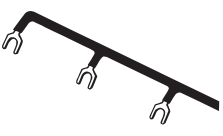
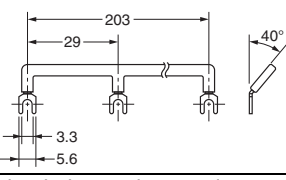
## Relay Sockets and Short Bars for PYFZ/PYF

### Bridges within the Same Socket

| Pitch | Applicable models | Appearance | Dimensions (mm) | Model         | Specifications                                                                                                                                                                                                                                                                                     |
|-------|-------------------|------------|-----------------|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7 mm  | PYFZ-14<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) |                                                                                                                                                                                                                                                                                                    |

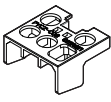
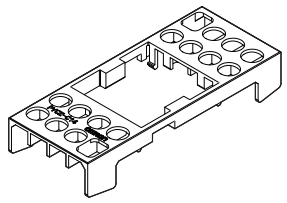
**Note:** The □ in the model number is replaced with the insulation color specification code. B: Black, Y: Yellow

## 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

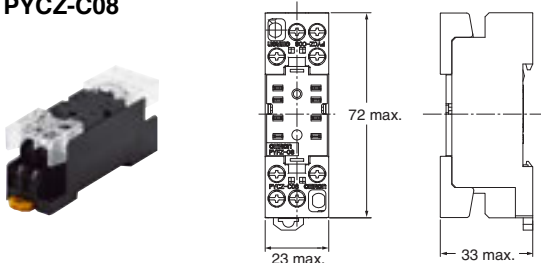
| Applicable models | Appearance                                                                          | Model                   |
|-------------------|-------------------------------------------------------------------------------------|-------------------------|
| PYFZ-08           |  | PYCZ-C08<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.

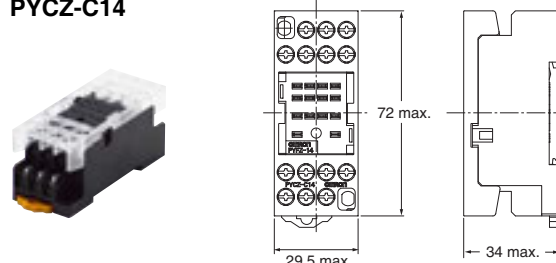
## Dimensions with terminal cover

(Unit: mm)

PYCZ-C08

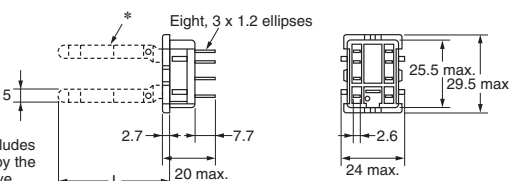
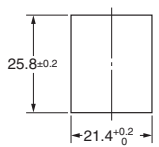
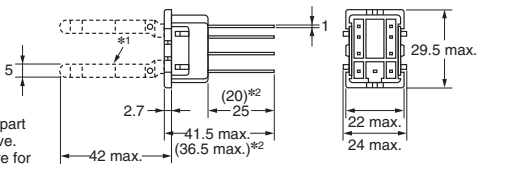
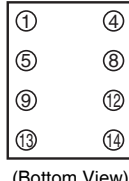
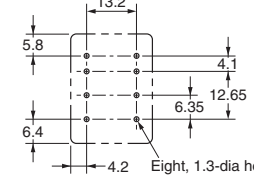
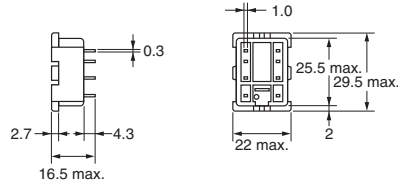
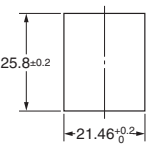
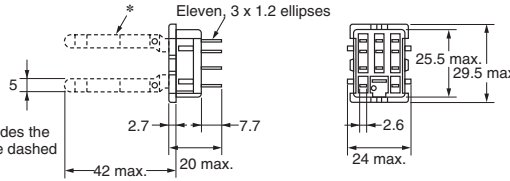
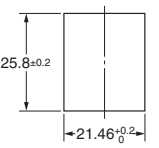
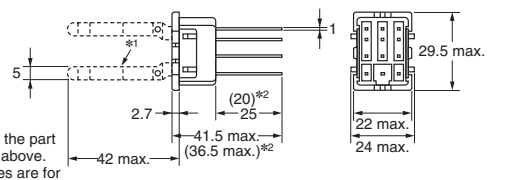
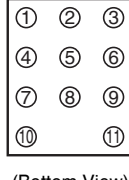
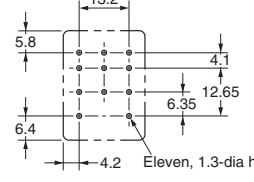
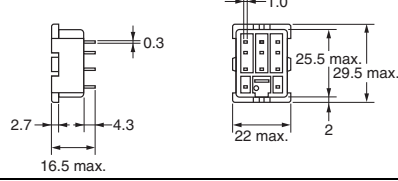
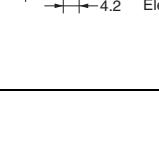


PYCZ-C14



## PY

(Unit: mm)

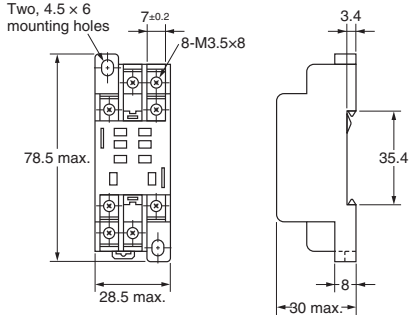
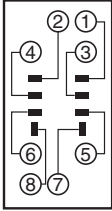
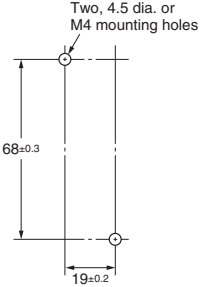
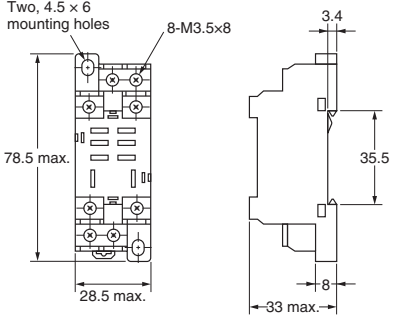
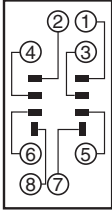
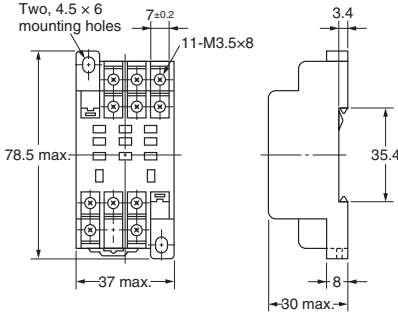
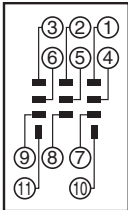
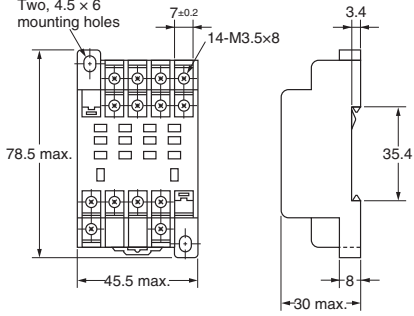
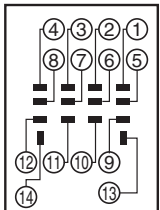
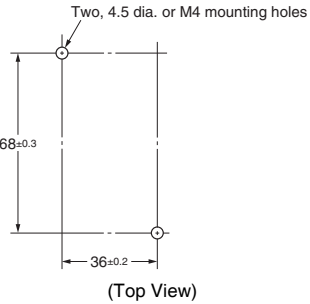
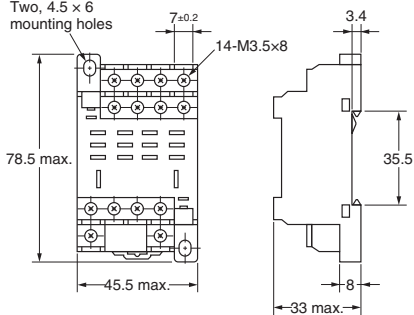
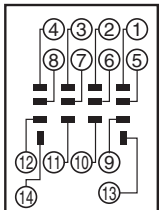
| Dimensions                                                                                                                                                                                                                                                                                                               | 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>                                                                                                                                                                                                                                              |                                               |                                  |

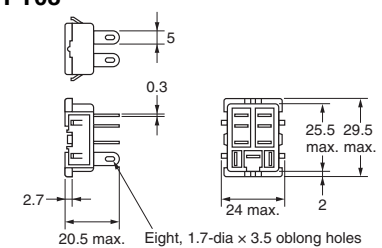
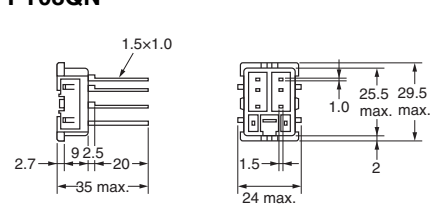
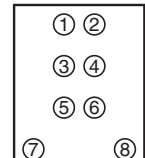
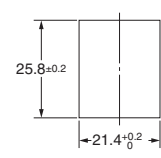
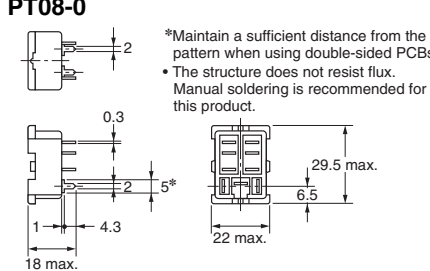
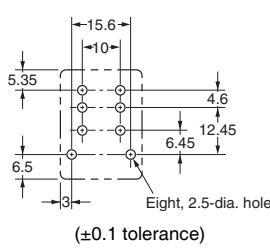
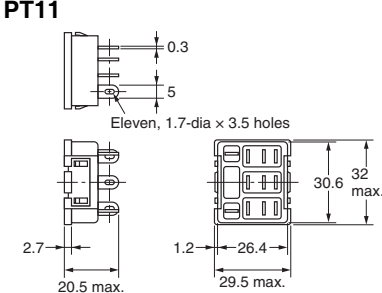
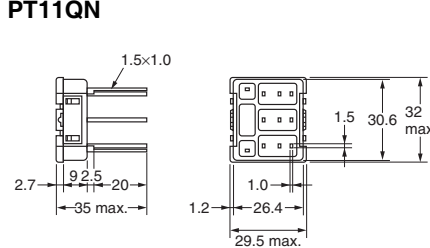
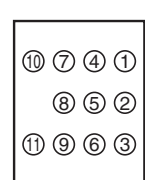
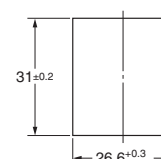
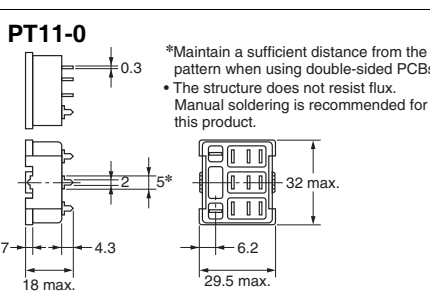
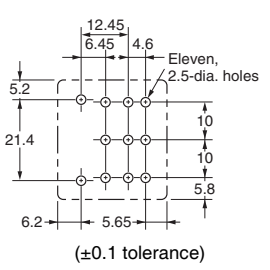
- Note:**
1. Use a panel with a thickness of 1 to 2 mm when mounting a Socket on it.
  2. You can use the PY14-Y1 or PY14QN-Y1 for the MY4 Series, MY4H, MYQ4(Z), or MY2K.
  3. You can use the PY14-Y3 or PY14QN-Y3 for H3Y Timers.

## PTF

(Unit: mm)

| Dimensions                                                                                                                           | Terminal Arrangement/<br>Internal Connections                                                          | Mounting Hole Dimensions                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>PTF08A</b><br>                                   |  <p>(Top View)</p>   |    |
| <b>PTF08A-E (Finger Protection Structure)</b><br>   |  <p>(Top View)</p>   | <p><b>Note:</b> Track mounting is also possible.</p>                                  |
| <b>PTF11A</b><br>                                 |  <p>(Top View)</p> | <p><b>Note:</b> Track mounting is also possible.</p>                                  |
| <b>PTF14A</b><br>                                 |  <p>(Top View)</p> |  |
| <b>PTF14A-E (Finger Protection Structure)</b><br> |  <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                                                      |
| <b>PT08</b><br>  | <b>PT08QN</b><br>   | <br>(Bottom View)   |    |
|                                                                                                   | <b>PT08-0</b><br>   |                                                                                                        |    |
| <b>PT11</b><br> | <b>PT11QN</b><br>  | <br>(Bottom View) |   |
|                                                                                                   | <b>PT11-0</b><br> |                                                                                                        |  |

## Common Sockets

| Dimensions                                                                                                                                                                                             |                   | Terminal Arrangement/<br>Internal Connections | Mounting hole and PCB dimensions |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----------------------------------------------|----------------------------------|
| <b>PT14</b><br><p>Fourteen, 1.7-dia × 3.5 holes</p>                                                                                                                                                    | <b>PT14QN</b><br> | <p>(Bottom View)</p>                          |                                  |
| <b>PT14-0</b><br><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> |                   |                                               |                                  |

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

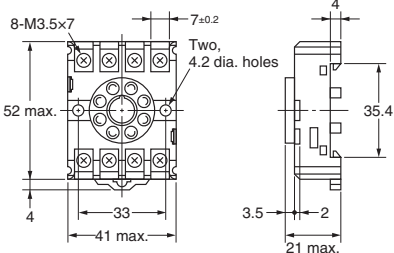
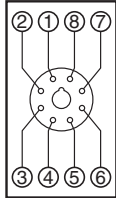
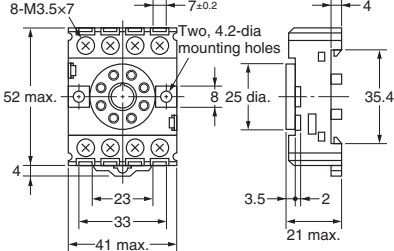
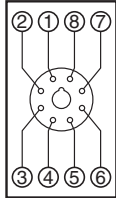
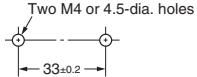
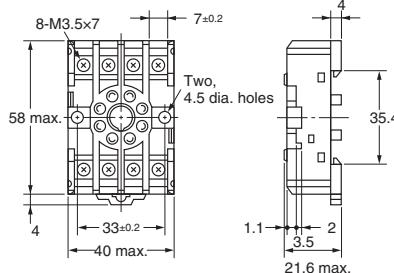
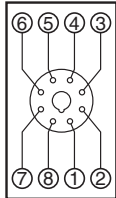
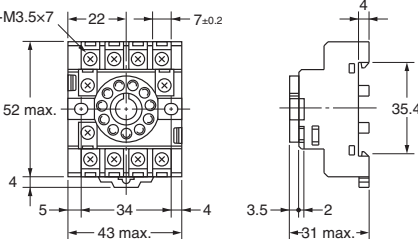
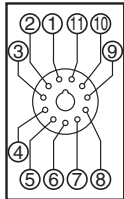
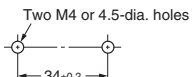
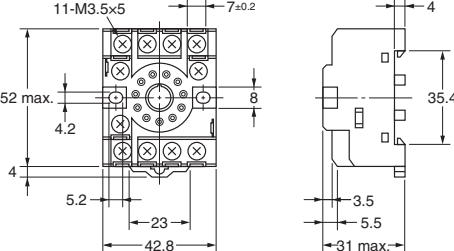
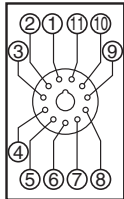
**P7LF**

**(Unit: mm)**

| Dimensions            | Terminal Arrangement/<br>Internal Connections | Mounting Hole Dimensions                                    |
|-----------------------|-----------------------------------------------|-------------------------------------------------------------|
| <p><b>P7LF-06</b></p> | <p>(Top View)</p>                             | <p>Two, 4.5 dia. or<br/>M4 mounting holes</p> <p>40±0.1</p> |

PF

(Unit: mm)

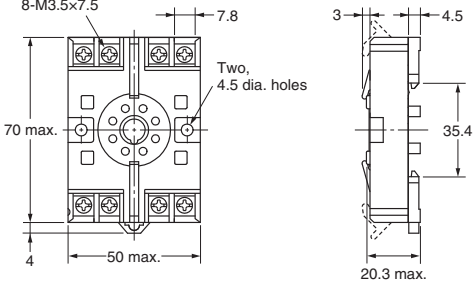
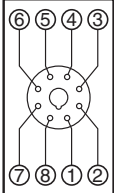
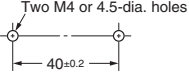
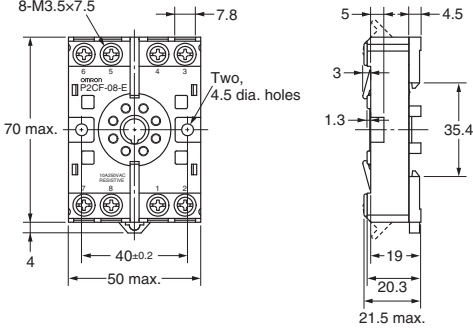
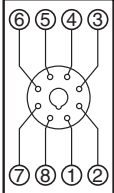
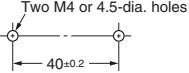
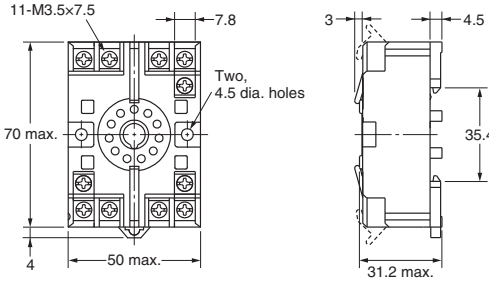
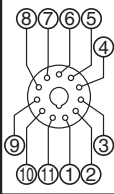
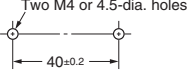
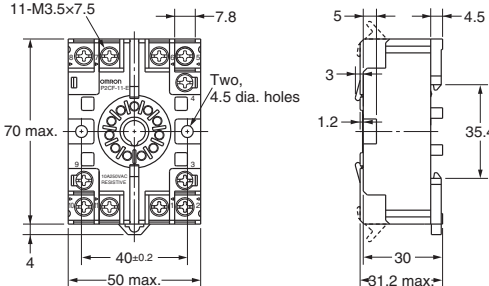
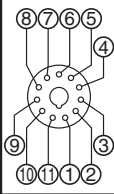
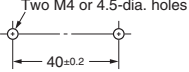
| Dimensions                                                                                          | Terminal Arrangement/<br>Internal Connections                                                          | Mounting Hole Dimensions                                                                   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

**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> |

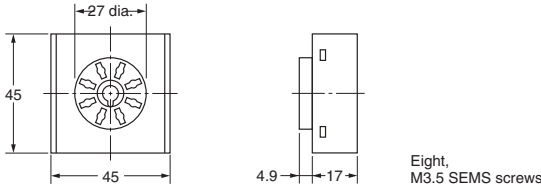
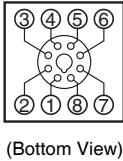
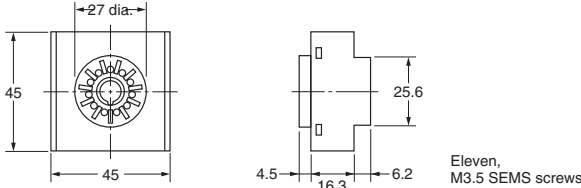
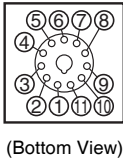
## PFA

(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> |

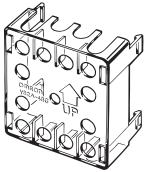
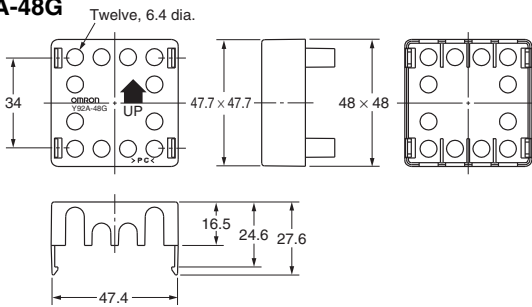
## P3G/P3GA

(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> <p>47.7 × 47.7</p> <p>48 × 48</p> <p>47.4</p> <p>16.5</p> <p>24.6</p> <p>27.6</p> <p>UP</p> <p>PCV</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>11</p> <p>28.7±0.5</p> <p>L</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.

## Terms and Conditions Agreement

### Read and understand this catalog.

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

### Warranties.

(a) Exclusive Warranty. Omron's exclusive warranty is that the Products will be free from defects in materials and workmanship for a period of twelve months from the date of sale by Omron (or such other period expressed in writing by Omron). Omron disclaims all other warranties, express or implied.

(b) Limitations. OMRON MAKES NO WARRANTY OR REPRESENTATION, EXPRESS OR IMPLIED, ABOUT NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OF THE PRODUCTS. BUYER ACKNOWLEDGES THAT IT ALONE HAS DETERMINED THAT THE PRODUCTS WILL SUITABLY MEET THE REQUIREMENTS OF THEIR INTENDED USE.

Omron further disclaims all warranties and responsibility of any type for claims or expenses based on infringement by the Products or otherwise of any intellectual property right. (c) Buyer Remedy. Omron's sole obligation hereunder shall be, at Omron's election, to (i) replace (in the form originally shipped with Buyer responsible for labor charges for removal or replacement thereof) the non-complying Product, (ii) repair the non-complying Product, or (iii) repay or credit Buyer an amount equal to the purchase price of the non-complying Product; provided that in no event shall Omron be responsible for warranty, repair, indemnity or any other claims or expenses regarding the Products unless Omron's analysis confirms that the Products were properly handled, stored, installed and maintained and not subject to contamination, abuse, misuse or inappropriate modification. Return of any Products by Buyer must be approved in writing by Omron before shipment. Omron Companies shall not be liable for the suitability or unsuitability or the results from the use of Products in combination with any electrical or electronic components, circuits, system assemblies or any other materials or substances or environments. Any advice, recommendations or information given orally or in writing, are not to be construed as an amendment or addition to the above warranty.

See <http://www.omron.com/global/> or contact your Omron representative for published information.

### Limitation on Liability: Etc.

OMRON COMPANIES SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, LOSS OF PROFITS OR PRODUCTION OR COMMERCIAL LOSS IN ANY WAY CONNECTED WITH THE PRODUCTS, WHETHER SUCH CLAIM IS BASED IN CONTRACT, WARRANTY, NEGLIGENCE OR STRICT LIABILITY.

Further, in no event shall liability of Omron Companies exceed the individual price of the Product on which liability is asserted.

### Suitability of Use.

Omron Companies shall not be responsible for conformity with any standards, codes or regulations which apply to the combination of the Product in the Buyer's application or use of the Product. At Buyer's request, Omron will provide applicable third party certification documents identifying ratings and limitations of use which apply to the Product. This information by itself is not sufficient for a complete determination of the suitability of the Product in combination with the end product, machine, system, or other application or use. Buyer shall be solely responsible for determining appropriateness of the particular Product with respect to Buyer's application, product or system. Buyer shall take application responsibility in all cases.

NEVER USE THE PRODUCT FOR AN APPLICATION INVOLVING SERIOUS RISK TO LIFE OR PROPERTY OR IN LARGE QUANTITIES WITHOUT ENSURING THAT THE SYSTEM AS A WHOLE HAS BEEN DESIGNED TO ADDRESS THE RISKS, AND THAT THE OMRON PRODUCT(S) IS PROPERLY RATED AND INSTALLED FOR THE INTENDED USE WITHIN THE OVERALL EQUIPMENT OR SYSTEM.

### Programmable Products.

Omron Companies shall not be responsible for the user's programming of a programmable Product, or any consequence thereof.

### Performance Data.

Data presented in Omron Company websites, catalogs and other materials is provided as a guide for the user in determining suitability and does not constitute a warranty. It may represent the result of Omron's test conditions, and the user must correlate it to actual application requirements. Actual performance is subject to the Omron's Warranty and Limitations of Liability.

### Change in Specifications.

Product specifications and accessories may be changed at any time based on improvements and other reasons. It is our practice to change part numbers when published ratings or features are changed, or when significant construction changes are made. However, some specifications of the Product may be changed without any notice. When in doubt, special part numbers may be assigned to fix or establish key specifications for your application. Please consult with your Omron's representative at any time to confirm actual specifications of purchased Product.

### Errors and Omissions.

Information presented by Omron Companies has been checked and is believed to be accurate; however, no responsibility is assumed for clerical, typographical or proofreading errors or omissions.