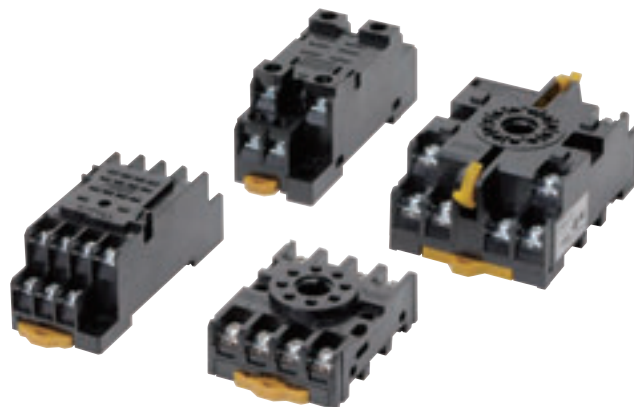


# Common Sockets

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

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

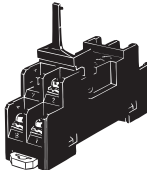

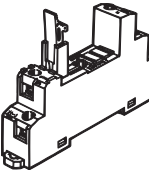
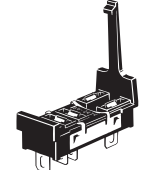
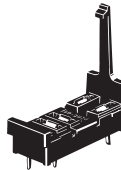
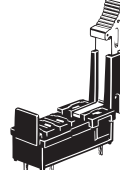
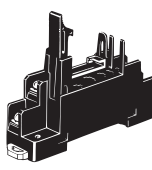
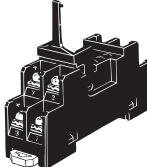

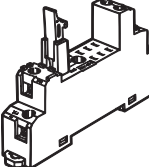
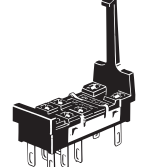
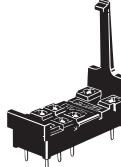
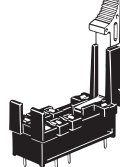
- Models available with finger protection.
- Hold-down Clips and Short Bars for PYFZ/PYF Sockets are also available.
- New screwless models available.



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

## Ordering Information

### Square Sockets

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

**Note:** 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.

## 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 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 Between contact terminals of same polarity: 1,000 VAC for 1 min 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 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 Between contact terminals of same polarity: 1,000 VAC for 1 min 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 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 Between contact terminals of same polarity: 1,000 VAC for 1 min 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 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 Between contact terminals of same polarity: 1,000 VAC for 1 min 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 Between ground terminals: 1,500 VAC for 1 min 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 Between contact terminals of same polarity: 1,000 VAC for 1 min Between ground terminals: 1,500 VAC for 1 min 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 Between contact terminals of same polarity: 2,250 VAC for 1 min 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 Between contact terminals of same polarity: 2,250 VAC for 1 min 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 Between contact terminals of same polarity: 2,000 VAC for 1 min 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.	

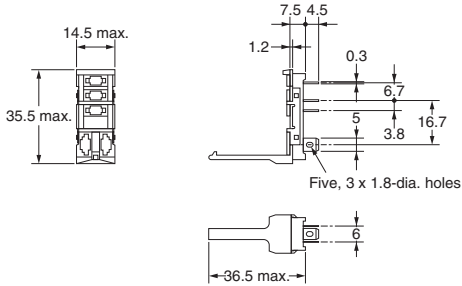
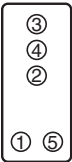
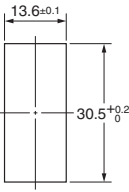
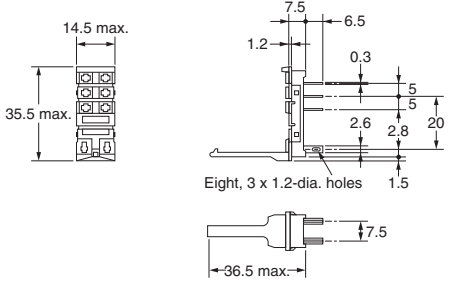
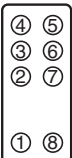
\*The insulation resistance was measured with a 500-VDC insulation resistance meter at the same places as those used for measuring the dielectric strength.

## Safety Precautions

Refer to *Common Relay Precautions* for general precautions.

## P2R

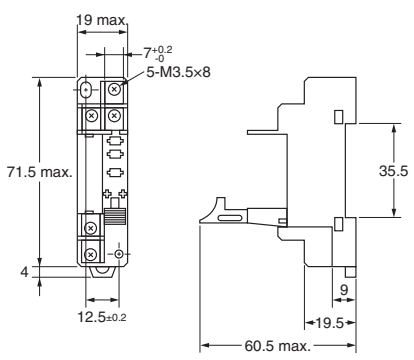
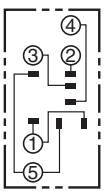
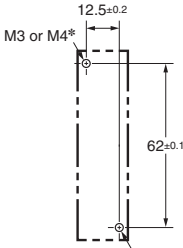
(Unit: mm)

Dimensions	Terminal Arrangement/ 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/ 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. * 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.