

■ Accessories (Order Separately)

Sockets

| Poles  | Front-connecting Socket   | Back-connecting Socket   |                    |               |
|--------|---------------------------|--------------------------|--------------------|---------------|
|        | DIN track/screw terminals | Plug-in/solder terminals | Wrapping terminals | PCB terminals |
| 1 or 2 | PTF08A-E, PTF08A          | PT08                     | PT08QN             | PT08-0        |
| 3      | PTF11A                    | PT11                     | PT11QN             | PT11-0        |
| 4      | PTF14A-E, PTF14A          | PT14                     | PT14QN             | PT14-0        |

Note: 1. For PTF08-E and PTF14A-E, see "Track Mounted Socket."

2. PTF□A (-E) Sockets have met UL and CSA standards: UL 508/CSA C22.2.

Mounting Plates for Sockets

| Socket model   | For 1 Socket | For 10 Sockets | For 12 Sockets | For 18 Sockets |
|----------------|--------------|----------------|----------------|----------------|
| PT08<br>PT08QN | PYP-1        | -              | -              | PYP-18         |
| PT11<br>PT11QN | PTP-1-3      | -              | PTP-12         | -              |
| PT14<br>PT14QN | PTP-1        | PTP-10         | -              | -              |

Socket-Hold-down Clip Pairings

| Relay type  | Poles | Front-connecting Sockets |            | Back-connecting Sockets |            |
|---|-------|--------------------------|------------|-------------------------|------------|
|   |       | Socket model             | Clip model | Socket model            | Clip model |
| Standard, bifurcated contacts operation indicator, built-in diode | 1, 2  | PTF08A-E, PTF08A         | PYC-A1     | PT08(QN), PT08-0        | PYC-P      |
|   | 3     | PTF11A                   |            | PT11(QN), PT11-0        |            |
|   | 4     | PTF14A-E, PTF14A         |            | PT14(QN), PT14-0        |            |
| CR Circuit  | 2     | PTF08A-E, PTF08A         | Y92H-3     | PT08(QN), PT08-0        | PYC-1      |

Specifications

■ Coil Rating

Single- and Double-pole Relays

|           | Rated voltage | Rated current |            | Coil Resistance | Coil Induction (reference value) |                     | Must operate voltage | Must release voltage | Max. voltage | Power consumption (approx.) |
|-----------|---------------|---------------|------------|-----------------|----------------------------------|---------------------|----------------------|----------------------|--------------|-----------------------------|
|           |               | 50 Hz         | 60 Hz      |                 | Arm. OFF                         | Arm. ON             |                      |                      |              |                             |
|           |               |               |            |                 |                                  |                     |                      |                      |              |                             |
| AC        | 6 V           | 214.1 mA      | 183 mA     | 12.2 Ω          | 0.04 H                           | 0.08 H              | 80% max.             | 30% min.             | 110%         | 1.0 to 1.2 VA (60 Hz)       |
|           | 12 V          | 106.5 mA      | 91 mA      | 46 Ω            | 0.17 H                           | 0.33 H              |                      |                      |              |                             |
|           | 24 V          | 53.8 mA       | 46 mA      | 180Ω            | 0.69 H                           | 1.30 H              |                      |                      |              |                             |
|           | 50 V          | 25.7 mA       | 22 mA      | 788ΩW           | 3.22 H                           | 5.66 H              |                      |                      |              |                             |
|           | 100/110 V     | 11.7/12.9mA   | 10/11 mA   | 3,750 Ω         | 14.54 H                          | 24.6 H              |                      |                      |              |                             |
|           | 110/120 V     | 9.9/10.8 mA   | 8.4/9.2 mA | 4,430 Ω         | 19.20 H                          | 32.1 H              |                      |                      |              |                             |
|           | 200/220 V     | 6.2/6.8 mA    | 5.3/5.8 mA | 12,950 Ω        | 54.75 H                          | 94.07 H             |                      |                      |              |                             |
| 220/240 V | 4.8/5.3 mA    | 4.2/4.6 mA    | 18,790 Ω   | 83.50 H         | 136.40 H                         | 0.9 to 1 VA (60 Hz) |                      |                      |              |                             |
| DC        | 6 V           | 150 mA        |            | 40 Ω            | 0.16 H                           | 0.33 H              | 10% min.             |                      | 0.9 W        |                             |
|           | 12 V          | 75 mA         |            | 160 Ω           | 0.73 H                           | 1.37 H              |                      |                      |              |                             |
|           | 24 V          | 36.9 mA       |            | 650 Ω           | 3.20 H                           | 5.72 H              |                      |                      |              |                             |
|           | 48 V          | 18.5 mA       |            | 2,600 Ω         | 10.6 H                           | 21.0 H              |                      |                      |              |                             |
|           | 100/110 V     | 9.1/10 mA     |            | 11,000 Ω        | 45.6 H                           | 86.2 H              |                      |                      |              |                             |

Note: See notes on the bottom of next page.