

## Specifications - Duplex Power Supply Units

| Item                          | Specifications                                                                                                                                                                                                                                                                                                                  |                                                                                                               |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Power Supply Unit             | CS1D-PA207R                                                                                                                                                                                                                                                                                                                     | CS1D-PD024                                                                                                    |
| Supply voltage                | 100 to 120 V AC or 200 to 240 V AC, 50/60 Hz                                                                                                                                                                                                                                                                                    | 24 V DC                                                                                                       |
| Operating voltage range       | 85 to 132 V AC or 170 to 264 V AC                                                                                                                                                                                                                                                                                               | 19.2 to 28.8 V DC                                                                                             |
| Power consumption             | 150 VA max.                                                                                                                                                                                                                                                                                                                     | 40 W max.                                                                                                     |
| Inrush current                | 30 A max./100 to 120 V AC<br>40 A max./200 to 240 V AC                                                                                                                                                                                                                                                                          | 30 A max.                                                                                                     |
| Output capacity               | 7 A, 5 V DC (including CPU Unit power)<br>1.3 A, 26 V DC<br>Total: 35 W                                                                                                                                                                                                                                                         | 4.3 A, 5 V DC (including CPU Unit power)<br>0.56 A, 26 V DC<br>Total: 28 W                                    |
| Output terminal               | Not provided                                                                                                                                                                                                                                                                                                                    | Not provided                                                                                                  |
| RUN output<br>(See Note 2.)   | Contact configuration: SPST-NO<br>Switch capacity:<br>240 V AC, 2 A (resistive load)<br>120 V AC, 0.5 A (inductive load)<br>24 V DC, 2 A (resistive load)<br>24 V DC, 2 A (inductive load)                                                                                                                                      | Not provided                                                                                                  |
| Insulation resistance         | 20 MΩ min. (at 500 V DC) between AC external and GR terminals<br>(See Note 2.)                                                                                                                                                                                                                                                  | 20 MΩ min. (at 500 V DC) between DC external and GR terminals<br>(See Note 2.)                                |
| Dielectric strength           | 2,300 V AC 50/60 Hz for 1 min between AC external and GR terminals (See Note 2.)<br>Leakage current: 10 mA max.<br>1,000 V AC 50/60 Hz for 1 min between AC external and GR terminals (See Note 1.)<br>Leakage current: 10 mA max.                                                                                              | 1,000 V AC 50/60 Hz for 1 min between DC external and GR terminals, leakage current: 10 mA max. (See Note 2.) |
| Noise immunity                | Conforms to IEC61000-4-4, 2 kV (power lines)                                                                                                                                                                                                                                                                                    |                                                                                                               |
| Vibration resistance          | 10 to 57 Hz, 0.075-mm amplitude, 57 to 150 Hz, acceleration: 9.8 m/s <sup>2</sup> in X, Y, and Z directions for 80 minutes<br>(Sweep time 8 min × 10 = total time 80 min.)<br>CPU Unit mounted to a DIN rail: 2 to 55 Hz, 2.9 m/s <sup>2</sup> in X, Y, and Z directions for 20 minutes. According to JIS C0040 / IEC 60068-2-6 |                                                                                                               |
| Shock resistance              | 147 m/s <sup>2</sup> , 3 times each in X, Y, and Z directions According to JIS C0041 / IEC 60068-2-27                                                                                                                                                                                                                           |                                                                                                               |
| Ambient operating temperature | 0 to 55°C                                                                                                                                                                                                                                                                                                                       |                                                                                                               |
| Ambient operating humidity    | 10% to 90% (with no condensation)                                                                                                                                                                                                                                                                                               |                                                                                                               |
| Atmosphere                    | Must be free from corrosive gases.                                                                                                                                                                                                                                                                                              |                                                                                                               |
| Ambient storage temperature   | -20 to 75°C (excluding battery)                                                                                                                                                                                                                                                                                                 |                                                                                                               |
| Grounding                     | Less than 100 Ω                                                                                                                                                                                                                                                                                                                 |                                                                                                               |
| Enclosure                     | Mounted in a panel.                                                                                                                                                                                                                                                                                                             |                                                                                                               |
| Weight                        | All models are each 6 kg max.                                                                                                                                                                                                                                                                                                   |                                                                                                               |