

# General Specifications

Item Power Supply Unit		Specifications		
		CS1D-PA207R	CS1D-PD024	CS1D-PD025
Power supply voltage	100 to 120 V AC/200 to 240 V, 50/60 Hz		24 V DC	
Operating voltage range	85 to 132 V AC/170 to 264 V		19.2 to 28.8 V DC	
Power consumption	150 VA max.		40 W max.	60 W max.
Inrush current	100 to 120 V AC: 30 A max. 200 to 240 VAC: 40 A max.		30 A max.	
Power supply output capacity	5 V DC, 7 A (including the CPU Unit power supply) 26 V DC, 1.3 A Total: 35 W		5 V DC, 4.3 A (including the CPU Unit power supply) 26 V DC, 0.56 A Total: 28 W	5 V DC, 5.3 A (including the CPU Unit power supply) 26 V DC, 1.3 A Total: 40 W
Power supply output terminal	Not provided.			
RUN output *1	Contact configuration: SPST-NO Switch capacity: 240 V AC, 2 A (resistive load) 120 V AC, 0.5 A (induction load) 24 V DC, 2 A (resistive load) 24 VDC, 2 A (induction load)		Not provided.	
Insulation resistance	20 MΩ min. (at 500 V DC) between AC external and GR terminals *2		20 MΩ min. (at 500 V DC) between DC external and GR terminals *2	
Dielectric strength	Between AC external and GR terminals *2: 2,300 V AC 50/60 Hz for 1 min Leakage current: 10 mA max. Between DC external and GR terminals *2: 1,000 V AC 50/60 Hz for 1 min Leakage current: 10 mA max.		Between DC external and GR terminals *2: 1,000 V AC 50/60 Hz for 1 min Leakage current: 10 mA max.	
Noise immunity	2 kV on power supply line (conforming to IEC61000-4-4)			
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 (Time coefficient: 8 minutes × coefficient factor 10 = total time 80 minutes) (When mounted on a DIN Track: 2 to 55 Hz, acceleration of 2.9 m/s <sup>2</sup> in X, Y, and Z directions for 20 minutes) (conforming to IEC60068-2-6)			
Shock resistance	147 m/s <sup>2</sup> 3 times each in X, Y, and Z directions (conforming to IEC60068-2-27)			
Ambient operating temperature	0 to 55°C			
Ambient operating humidity	10% to 90% (with no condensation)			
Atmosphere	No corrosive gases			
Ambient storage temperature	-20 to 75°C (excluding battery)			
Grounding	Less than 100 Ω			
Enclosure	Mounted in a panel.			
Weight	Each Rack: 6 kg max.			
CPU Rack dimensions (mm)	CS1D-BC052 (5 slots, Duplex CPU System) and CS1D-BI082S (8 slots, Single CPU System): 505 × 132 × 123 mm (W × H × D) *2			

\*1. Supported when mounted to a Backplane.

\*2. Disconnect the CS1D Power Supply Unit's LG terminal from the GR terminal when testing insulation and dielectric strength. Testing the insulation and dielectric strength with the LG terminal and the GR terminals connected will damage internal circuits in the CPU Unit.