

Power Supply CP-C.1 24/20.0

High-performance primary switch mode power supply

The CP-C.1 power supplies are ABB's high-performance and most advanced range. With excellent efficiency, high reliability and innovative functionality it is prepared for the most demanding industrial applications. These power supplies have a 50 % integrated power reserve and operate at an efficiency of up to 94 %. They are equipped with overheat protection and active power factor correction. Combined with a broad AC and DC input range and extensive worldwide approvals the CP-C.1 power supplies are the preferred choice for professional DC applications. Giving the power to control.



Characteristics

- Rated output voltage 24 V DC
- Power reserve design delivers up to 150 % at $T_a \leq 40\text{ °C}$
- Output voltage adjustable via front-face rotary potentiometer "OUTPUT Adjust", 22.5-28.5 V
- Input voltage range 100-240 V AC, 90-300 V DC
- High efficiency
- Low power dissipation and low heating
- Free convection cooling (no forced cooling)
- Ambient temperature range during operation -25...+70 °C
- Open-circuit, overload and short-circuit stable
- Integrated input fuse
- DC OK - signaling output "13-14" (Relay), Power reserve signaling output " $I > I_R$ " (Transistor)
- Redundancy unit CP-A RU offering true redundancy, available as accessory

Approval

SEMI F47

Marks

CE CE

Ordering details - CP-C.1

Input voltage range	Rated output voltage / current	Type	Order code	Weight (1 pce) kg (lb)
100-240 V AC, 90-300 V DC	24 V DC / 20 A	CP-C.1 24/20.0	1SVR360763R1001	2.83 (6.23)

Related products

Description	Redundancy unit	Type	Order code	Weight (1 pce) kg (lb)
2 inputs each up to 20 A and 1 output up to 40 A	$\leq 40\text{ V}$ and $\geq 5\text{ A}$	CP-A RU	1SVR427071R0000	0.89 (1.96)