



Switched mode power supplies CP-E Range



“DC OK” output

The CP-E range 24 V devices > 18 W offer a semiconductor output for function monitoring and remote diagnosis.



Wide range input

Optimized for world-wide applications: The CP-E power supplies can be supplied with 85-265 V AC or 90-375 V DC.



Adjustable output voltage

The CP-E range types feature a continuously adjustable output voltage. Thus, they can be optimally adapted to the application, e.g. compensating the voltage drop caused by a long line length.



Redundancy unit CP-RUD 1SVR 423 418 R9000

For decoupling of paralleled power supply units. Thus, true redundancy can be achieved.



- Output voltages 5 V, 12 V, 24 V, 48 V DC
- Adjustable output voltages
- Output currents 0.625 A / 0.75 A / 1.25 A / 2.5 A / 3 A
- Power range 15 W, 18 W, 30 W, 60 W
- Wide range input 100-240 V AC
(90-265 V AC / 120-370 V DC, 85-265 V AC / 90-375 V DC)
- High efficiency of up to 89 %
- Low power dissipation and low heating
- Free convection cooling (no forced cooling with ventilators)
- Ambient temperature range during operation -10...+70 °C
- Open-circuit, overload and short-circuit stable
- Integrated input fuse
- U/I characteristic curve for devices > 18 W
(fold-forward behavior at overload – no switch-off)
- Redundancy unit CP-RUD offering true redundancy
- LED(s) for status indication
- Signalling output (transistor) for output voltage OK on 24 V devices > 18 W
- Approvals / Marks
(depending on device, partly pending):



CP-E Range



CP-E 5/3.0



CP-E 12/2.5



CP-E 24/2.5



CP-E 24/2.5



CP-E 48/0.62

| Type | Rated input voltage | Rated output voltage / current | Order code | Pack. unit pieces | Weight 1 piece kg / lb |
|--------------|---------------------|--------------------------------|--------------------|-------------------|------------------------|
| CP-E 5/3.0 | 100-240 V AC | 5 V DC / 3.0 A | 1SVR 427 033 R3000 | 1 | 0.15 / 0.33 |
| CP-E 12/2.5 | 100-240 V AC | 12 V DC / 2.5 A | 1SVR 427 032 R1000 | 1 | 0.29 / 0.64 |
| CP-E 24/0.75 | 100-240 V AC | 24 V DC / 0.75 A | 1SVR 427 030 R0000 | 1 | 0.15 / 0.33 |
| CP-E 24/1.25 | 100-240 V AC | 24 V DC / 1.25 A | 1SVR 427 031 R0000 | 1 | 0.29 / 0.64 |
| CP-E 24/2.5 | 100-240 V AC | 24 V DC / 2.5 A | 1SVR 427 032 R0000 | 1 | 0.36 / 0.79 |
| CP-E 48/0.62 | 100-240 V AC | 48 V DC / 0.625 A | 1SVR 427 030 R2000 | 1 | 0.29 / 0.64 |
| CP-E 48/1.25 | 100-240 V AC | 48 V DC / 1.25 A | 1SVR 427 031 R2000 | 1 | 0.36 / 0.79 |

Redundancy module

The CP-RUD monitors two CP-E range power supplies with an output current of up to 5 A each. If one power supply fails, CP-RUD automatically switches to the alternate supply without interruption of the load current. Max. voltage 40 V.

| Type | Description | Order code | Pack. unit pieces | Weight 1 piece kg / lb |
|--------|-------------------|--------------------|-------------------|------------------------|
| CP-RUD | Redundancy module | 1SVR 423 418 R9000 | 1 | 0.15 / 0.33 |