CP-T range
Benefits and advantages

Characteristics

– Rated output voltages 24 V, 48 V DC
– Output voltage adjustable via front-face rotary potentiometer "OUTPUT Adjust"
– Rated output currents 5 A, 10 A, 20 A, 40 A
– Rated output powers 120 W, 240 W, 480 W, 960 W
– Three-phase operation (see derating note)
– Two-phase operation (25 % derating possible, see derating note)
– Supply range 3 x 400–500 V AC (3 x 340–575 V AC, 480–820 V DC)
– Typical efficiency of 93 %
– Low power dissipation and low heating
– Free convection cooling (no forced cooling with ventilators)
– Ambient temperature range during operation -40...+70 °C [1]
– Open-circuit, overload and short-circuit stable
– Integrated input fuse
– Redundancy unit CP-A RU offering true redundancy, available as accessory
– LEDs for status indication
– Signalling contact "13-14" (solid state) for output voltage OK
– Approvals / marks (depending on device, partly pending):
– ![UL listed], ![cRUus], ![EAC], ![CCC] / ![CE], ![mark]

[1] 480 W variants: -30...+70°C

Benefits

Signalling output ①
The devices of the CP-T series offer a solid state output for function monitoring and remote diagnostics.

Wide input range
Wide range input optimized for world-wide applications: The CP-T power supplies can be used in 340 - 575 V AC or 480 - 820 V DC supply systems.

Adjustable output voltage ②
The CP-T range 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.
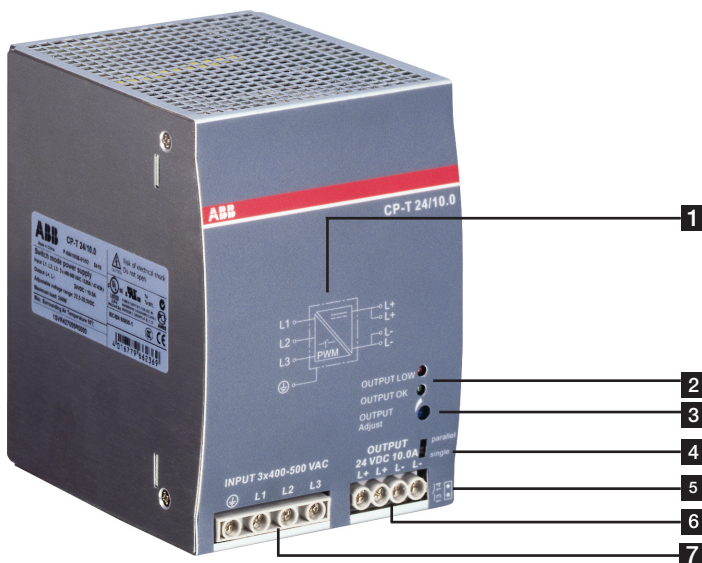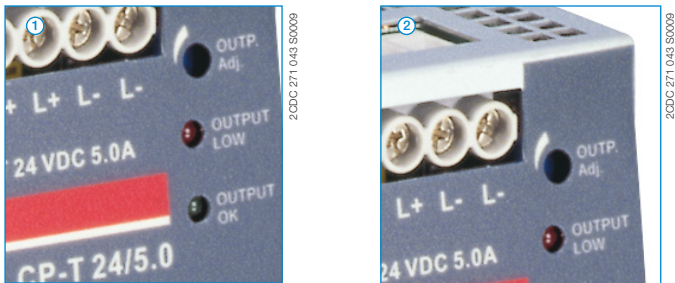
1 Circuit diagram

2 Indication of operational states
   DC ON: green LED - green LED - output voltage OK
   DC LOW: red LED - output voltage too low

3 OUTPUT Adjust: potentiometer - adjustment of output voltage

4 single/parallel: sliding switch - adjustment of single or parallel operation

5 Signalling contact
   OUTPUT 13-14: terminals - signalling contact
   A solid-state output indicates the error-free operation of the output voltage.

6 OUTPUT L+, L+, L-, L-: terminals - output

7 INPUT L1, L2, L3, PE: terminals - input