

UPS - system

Capacitor buffered power supply

manufacturer: J. Schneider Elektrotechnik GmbH

type : C-TEC 2403-1

Art.-No. : NCPA0727G01002



Short description:

The DC- buffer module of the series **C-TEC** works with ultra-capacitors as energy storage inside the housing. These capacitors are charge by a external regulated DC-power supply in normal operation. In case of an interruption of the DC-power supply the energy of the capacitors is released. The load is supplied by the buffer module till it is discharged. The back-up time depends on the state of charge of the capacitors and on the discharge current.

Nominal input voltage	24 V DC -15/+10 %
Nominal input current	3 A
Output voltage in buffer operation	23,5 V DC 2 %
Nominal output current	3 A DC
Current limitation	1,05 ... 1,2 x IA Nom
efficiency	> 90 %
energy	1 kJ
Back-up time	Depending on load
Protective system	IP20
Storage temperature	- 20 ... + 60 °C
Operational temperature	- 20 ... + 60 °C
Fusing input	6A T. internal
Fusing output	3,15 A T (external)
LED- display	operation LED green illuminates at system-voltage p present at terminal UI UE o.k. LED green illuminates at external supply present Uc > LED green illuminates at: Energy in capacitor > 80 % LED green expires at: Energy in capacitor < 30 % LED is blinking slowly (0,8 Hz): during the charge, until 80 % of the energy of the capacitor is reached LED is blinking fast (3,2 Hz): when the capacitor is discharged
Relais -output	potentialfree Relais - contact, closer 30 V DC / 0,5 A
Norms and regulations	EN 50 178 / EN 60950
connection, in-/ output	Spring type terminals max. 2,5 mm ²
connection, messages	Spring type terminals max. 1 mm ²
dimensions	95 x 60 x 125 mm
weight	0,55 kg