

UPS - system

Capacitor buffered power supply

manufacturer: J. Schneider Elektrotechnik GmbH

type : C-TEC 2410-1

Art.-No. : NCPA0609G01002



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 \pm 12,5 %
Nominal input current	10 A
Max. inrush current	35A/2ms
Output voltage in buffer operation	Depending on load
System voltage 24V	23,5 V DC \pm 2 %
Nominal output current	10 A DC
Limitation current control	10,3 A DC \pm 0,1 A
Switch off in case of exceeding	After 1,5 sec
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	- 40 ... + 70 °C
Operational temperature	- 40 ... + 70 °C
Fusing input	15 A internal
Fusing capacitor circuit	25 A internal,
Fusing output	15 A internal, 10 A slow acting (external)
LED- display	operation LED green illuminates at system-voltage present UE o.k. LED green illuminates at external supply present Uc > LED green illuminates at: Energy in capacitor > 80 % error LED red illuminates at: overvoltage at internal capacitor over- or under voltage at terminal UI over current at the output
Relais -output	potentialfree Relais - contact, closer 30 V DC / 0,5 A
Shut-down	Interruption of the UPS operation Potential free input Switching level: 24V DC (6-45 V DC)
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	165 x 70 x 138 mm
weight	1,6 kg