

UPS - system

Capacitor buffered power supply

manufacturer: J. Schneider Elektrotechnik GmbH

type : C-TEC 2405-5

Art.-No. : NCPA0608G01001



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	10 A
Max. inrush current	35A/2ms
System voltage 24V	23,5 V DC 2 %
Nominal output current	3 A DC
Limitation current control	5,3 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	5 kJ
Back-up time	Depending on load
Protective system	IP20
Storage temperature	- 40 ... + 60 °C
Operational temperature	- 40 ... + 60 °C
Fusing capacitor circuit	25 A internal
Fusing output	15 A internal
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
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 116 x 145 mm
weight	2,1 kg