



UPS - System

## Capacitor buffered power supply

manufacturer: J. Schneider Elektrotechnik GmbH

type : C-TEC 2420 -8

Art.-No. : NCPA0747G01003



### 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	20 A
Max. inrush current	35 A / 2 ms
Output voltage in buffer mode	Depending on load
System voltage 24V	23,5 V DC $\pm$ 2 %
output current	20 A DC
Limiting current monitoring	20,6 A DC $\pm$ 0,1 A
Switch off in case of exceeding	After 1,5 sec.
Current limitation	1,05 ... 1,2 x I <sub>A</sub> Nom
charge efficiency	> 90 %
Energy content	8 kJ
Buffer time	Depending on load
Safety class	IP20
Storage temperature	- 40 ... + 70 °C
Operational temperature	- 40 ... + 60 °C
Protection input	25 A. internal
Protection	25 A, internal , 10 A T (external)
output	
capacitor circuit	25 A , internal
LED- display	operation LED green illuminates at system-voltage present UE o.k. LED green illuminates at external supply present U <sub>c</sub> > 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	Potential free relais-contact, closer 30 V DC / 0,5 A Mains, closer 30 V DC / 0,5 A U <sub>c</sub> /V <sub>cap</sub> </>, closer 30 V DC / 0,5 A

01003D02-140219

Technische Änderungen vorbehalten!

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Amtsgericht Offenburg HRB 758





USB communication

Shut down

Norms and regulations  
connection, in-/ output  
access, C- add on  
access, Meldeklemmen  
dimensions  
weight

failure, changer 30 V DC / 0,5 A

For parametrisation

For operation with optional Tec-Control software  
As a shutdown software for PC

Abort UPS operation

potential free contact input

Switching level: 24 V DC (6-45 V DC)

EN 50 178 / EN 60950

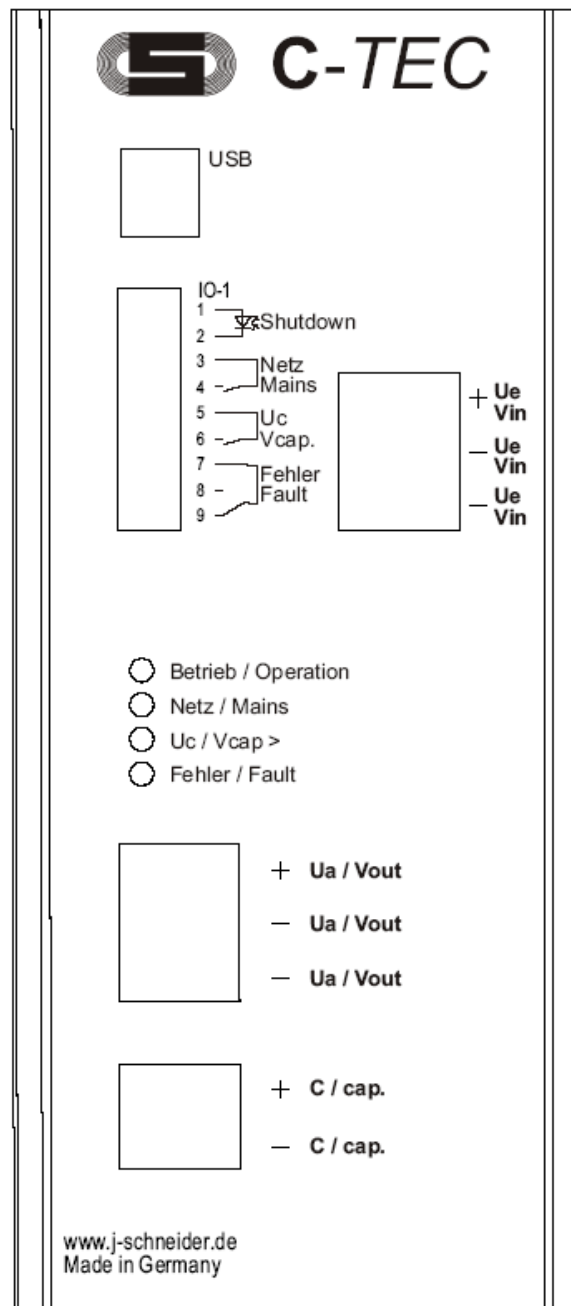
Plug terminals 4 mm<sup>2</sup>

Plug terminals 4 mm<sup>2</sup>

Plug terminals 1 mm<sup>2</sup>

192 x 84 x 192 mm

1,8 kg



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