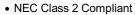
# LOCC BOX DC ELECTRONIC FUSE FOR 24V DC CIRCUITS, NEC CLASS 2

716413

LOCC-Box-C2 Electronic fuse, Class 2, 12-24V, 0.5-4A



- For tripping 24 V DC circuits
- Adjustable between 0.5-4 A
- 3 selectable trip characteristics



#### PRODUCT DESCRIPTION

LÜTZE LOCC-Box module was specially developed for load circuits in compliance with NEC Class 2. The UL-defined circuits are limited to 100 VA and, thanks to the energy limit, are protected against electrical shocks or fire. As a Class 2 load current monitoring system, it is now possible to supply standard switching power supply units. In addition, components that are not UL-approved can also be used in the load circuit. In contrast to other Class 2 load monitoring systems, LÜTZE's LOCC Box has configurable characteristics and current ranges.

There are 3 characteristics (fast, medium and slow\_1) available for the new Class 2 module. These current ranges can be set with a rotary knob from 0.5 A to 4 A in 0.5 A steps.

Green and red LEDs in the LED status display indicate operating voltage and errors in the load circuit. In addition to current limitation in compliance with NEC-Class 2, the DC 24 V / 100 VA load monitoring also satisfies the standards EN 60950-1, EN 61131-1,2, EN 61000, EN 60947-4-1 and EN 55022.

## **TECHNICAL DATA**

### **INPUT DATA**

Input current max	4 A
Operating voltage dc min	10 V
Operating voltage dc max	30 V
Power through distribution beam max	40 A

#### **OUTPUT DATA**

Selectable current ranges	0.5-4A, adjustable in 0.5A steps
Output current max	4 A
Adjustable current min	0,5 A
Adjustable current max	4 A
Adjustable steps	0,5 A

Output semiconductors	Mosfet
Status indication	LED. Steady green - OK, flashing green - load over 90%, flashing red - fuse triggered, steady red - fuse off
Voltage drop over semiconductor	170 mV
Capacitance max	4700 μF
Reaction time	800 ms

## **DIMENSIONS**

Width	8,1 mm
Depth	116 mm
Height	114,5 mm

## **CONNECTION DATA**

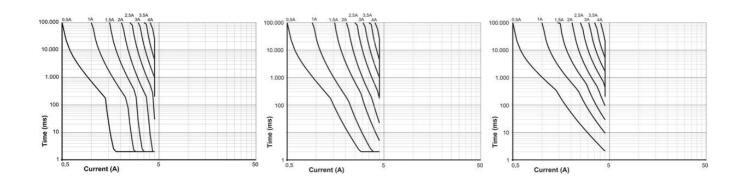
Connection type	Spring 0.25-2.5mm <sup>2</sup>
Cross section min	0,25 mm²
Cross section max	2,5 mm²
IP class	IP20
Mounting	DIN-rail

## **APPROVALS**

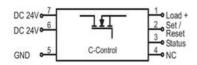
Approvals	CE, cULus, GL
EMC	EN61000-6-2, EN61000-6-3

## **ADDITIONAL DATA**

Memory at power failure	Yes, status retained when voltage is back on
Temperature operational min	-25 °C
Temperature operational max	50 °C
Weight	120 g



### Tilslutninger



- 1: Udgang
  2: Ekstern nulstilling/afbrydelse
  3: Statusudgang
  4: Ikke tilsluttet
  5: 0 V
  6: 24 V DC (enkelt forsyning)
  7: 24 V DC forsyning via strømskinne

