

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

- NEC Class 2 Compliant
- 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
Power through distribution beam max	40 A
Operating voltage dc min	10 V
Operating voltage dc max	30 V

OUTPUT DATA

Adjustable current min	0,5 A
Output semiconductors	Mosfet
Voltage drop over semiconductor	170 mV
Capacitance max	4700 µF
Output current max	4 A

Selectable current ranges	0.5-4A, adjustable in 0.5A steps
Reaction time	800 ms
Adjustable steps	0,5 A
Adjustable current max	4 A
Status indication	LED. Steady green - OK, flashing green - load over 90%, flashing red - fuse triggered, steady red - fuse off

DIMENSIONS

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

CONNECTION DATA

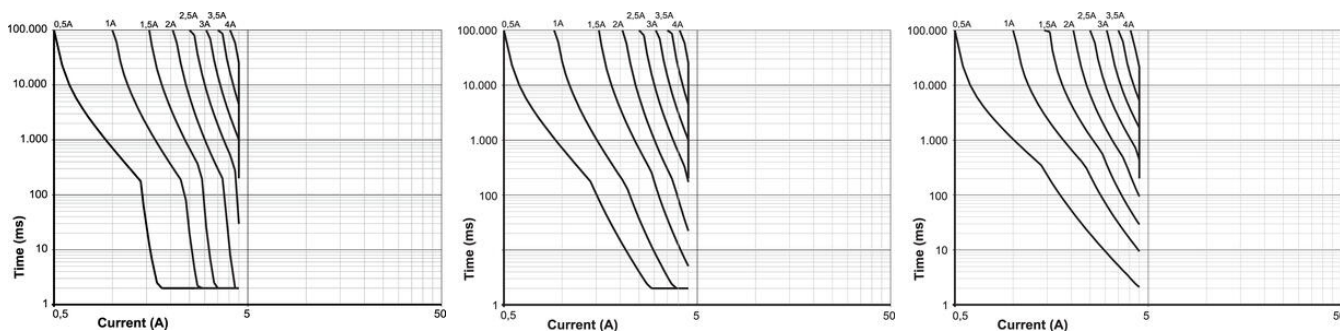
IP class	IP20
Connection type	Spring 0.25-2.5mm ²
Cross section max	2,5 mm ²
Mounting	DIN-rail
Cross section min	0,25 mm ²

APPROVALS

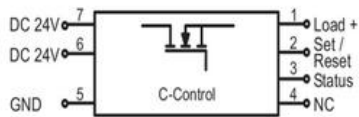
Approvals	CE, cULus, GL
EMC	EN61000-6-2, EN61000-6-3

ADDITIONAL DATA

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



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

