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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
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	5 A
Adjustable current max	4 A
Adjustable steps	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	81 mm
Depth	116 mm
Height	1145 mm

CONNECTION DATA

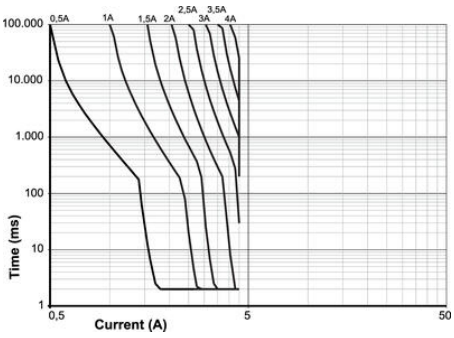
Connection type	Spring 0.25-2.5mm²
Cross section min	25 mm²
Cross section max	25 mm²
IP class	IP20
Mounting	DIN-rail

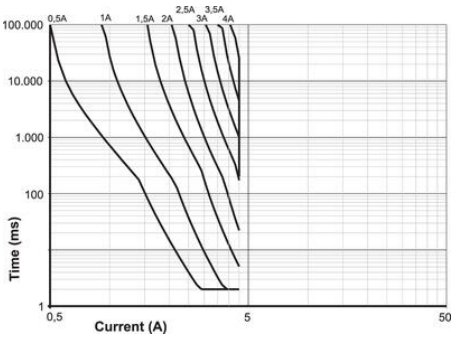
APPROVALS

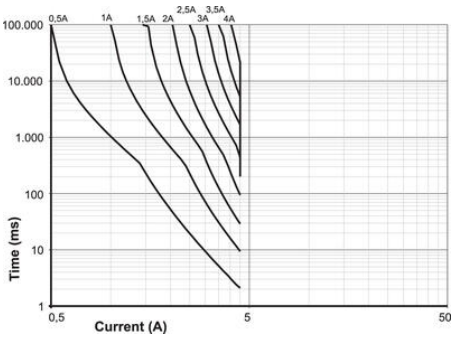
Approvals	CE, cULus, GL
EMC	EN61000-6-2, EN61000-6-3

ADDITIONAL DATA

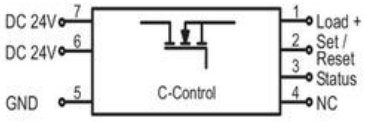
Memory at power failure	Yes, status retained when voltage is back on
Temperature operational min	-25 °C
Temperature operational max	50 °C
Weight	120 g







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

