

# EMERGENCY INVERTER FOR LED

IEL001



sermatex **GRÜN**  
**ex**

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# EMERGENCY INVERTER FOR LED

## Technical data

### SPECIFICATIONS

TYPE OF PROTECTION .....

“Ex e q” – Immersed in sand with increased safety terminals.

MARKING .....

Ex eb q IIC Gb<sub>2</sub>

AREA OF APPLICATION .....

Zone 1

CLASSIFICATION .....

Built-in

CERTIFICATE OF CONFORMITY .....

### Segurança



OCP 0034



INMETRO

INMETRO

NCC 24.0136 U

### ELECTRICAL SPECIFICATIONS

TYPES OF LOAD .....

LED or LED MODULE up to 70W

RATED VOLTAGE .....

110...230VCA/CC ±10%

MAX. POWER .....

< 2W

CURRENT .....

570mA (110 Vca/Vcc)  
320mA (240 Vca/Vcc)

NETWORK FREQUENCY .....

47 / 63 Hz

POWER FACTOR .....

> 0,96

HARMONIC DISTORTION .....

< 10%

MAXIMUM TEMPERATURE .....

70C

WORKING TEMPERATURE .....

-20 to 50C

CONECTORS SECTION .....

0,5 to 2,5 mm<sup>2</sup>

WEIGHT .....

700 g

# EMERGENCY INVERTER FOR LED

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### ELECTRICAL SPECIFICATIONS

LED/LED MODULE RATED POWER	.....	2x10 W (2xTLEX600) 2x20 W (2xTLEX1200)
SUPPLY VOLTAGE	.....	TLEX600 - 36 Vcc TLEX1200 - 72 Vcc
MAXIMUM POWER CONSUMPTION	.....	TLEX600 - 60 min TLEX1200 - 60,min
ENERGY YIELD	.....	TLEX600 - > 50% TLEX1200 - > 35%

### FEATURES

- The emergency inverter works together with the LED current driver of the lamp, transforming a normal LED lamp into an emergency lighting system;
- Can be used in any LED lamp, observing the output voltage and current of the LED modules.
- Low power consumption for battery charge: less than 2W.
- High capacity NiCd battery: 2500mAh.
- Battery charge indicator LED (Status LED):  
LED On Battery Charging; LED Off Battery Discharged (in Emergency mode);
- Meets the requirements of NBR 10898 (emergency lighting);
- Life expectancy of more than 50,000 hours;
- Battery charge: 24 hours;
- To mount the Indicator LED, it is necessary to drill an 8mm hole.

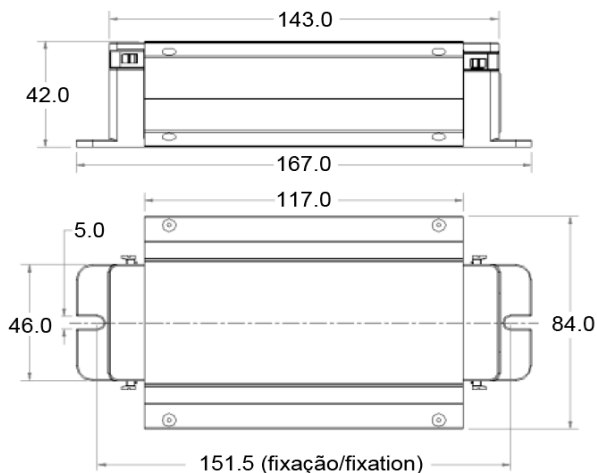
# INVERSOR DE EMERGÊNCIA PARA LED

## Dados Técnicos

### DIMENSIONS(MM)

#### IEL001

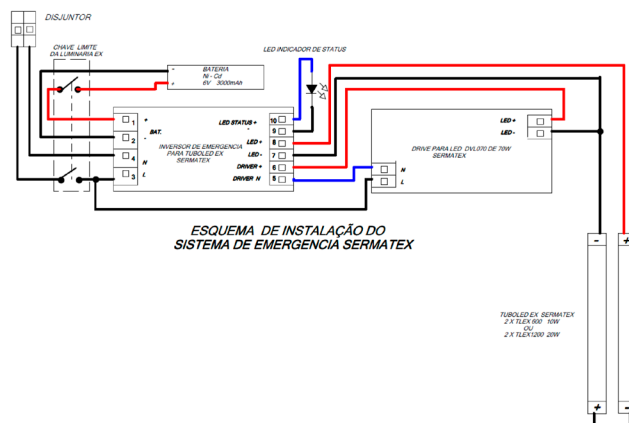
Dimensões (mm):  
Dimensions (mm):



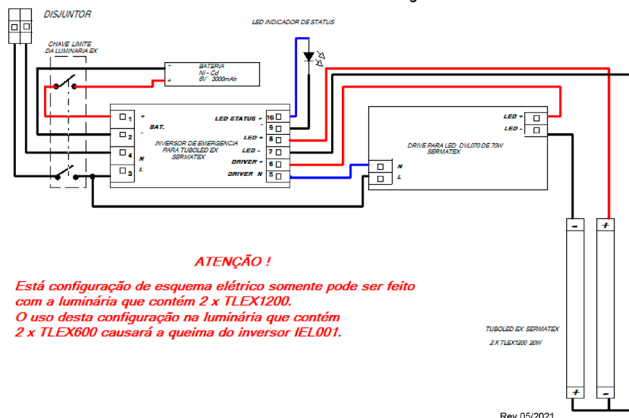
### INSTALATION

#### ESQUEMAS DE INSTALAÇÃO DO IEL001 + DVL70 + TUBOLED EX

##### Esquema de Ligação de Luminária de Emergência para Acender 2 Tubos Led Ex em modo de Emergência



##### Esquema de Ligação de Luminária de Emergência para Acender 1 Tubo Led Ex em modo de Emergência



#### ATENÇÃO !

Está configuração de esquema elétrico somente pode ser feito com a luminária que contém 2 x TLEX1200.  
O uso desta configuração na luminária que contém 2 x TLEX600 causará a queima do inversor IEL001.

Rev.05/2021