

EMERGENCY INVERTER FOR LED

IEL001



sermat **GRÜN**
ex



REV.06 / 15.07.2022

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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 ₀ |
| AREA OF APPLICATION | Zone 1 |
| CLASSIFICATION | Built-in |
| CERTIFICATE OF CONFORMITY |  OCP 0007  |
| | INMETRO |
| | CEPEL 20.2514U |

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 |
| CONNECTORS SECTION | 0,5 to 2,5 mm ² |
| WEIGHT | 700 g |

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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.

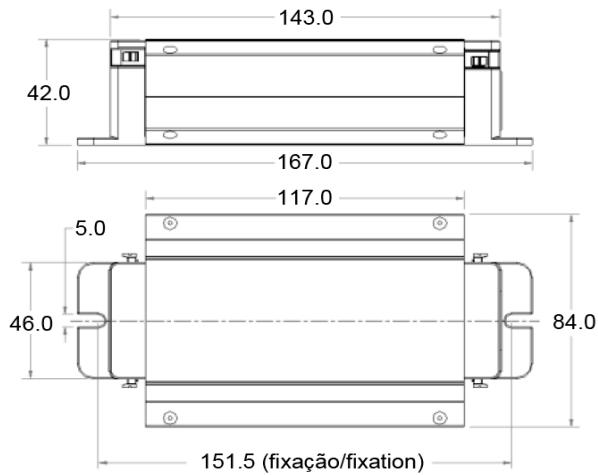
INVERSOR DE EMERGÊNCIA PARA LED

Dados Técnicos

DIMENSIONS(MM)

IEL001

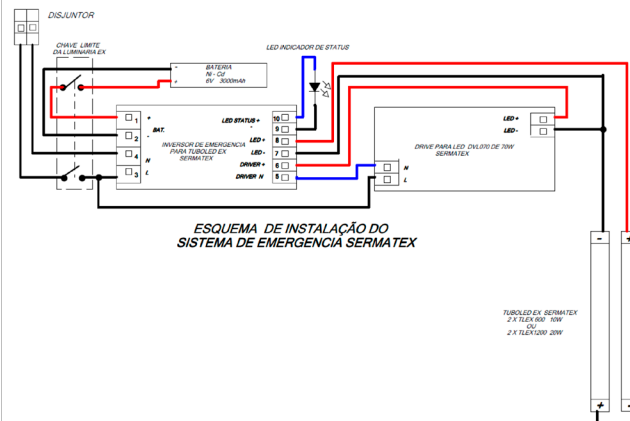
Dimensões (mm):
Dimensions (mm):



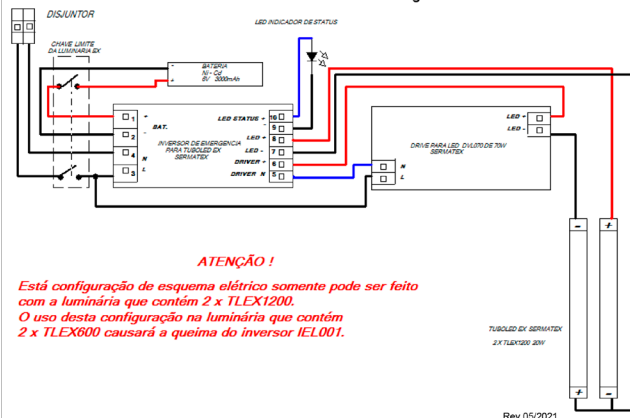
INSTALATION

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.

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