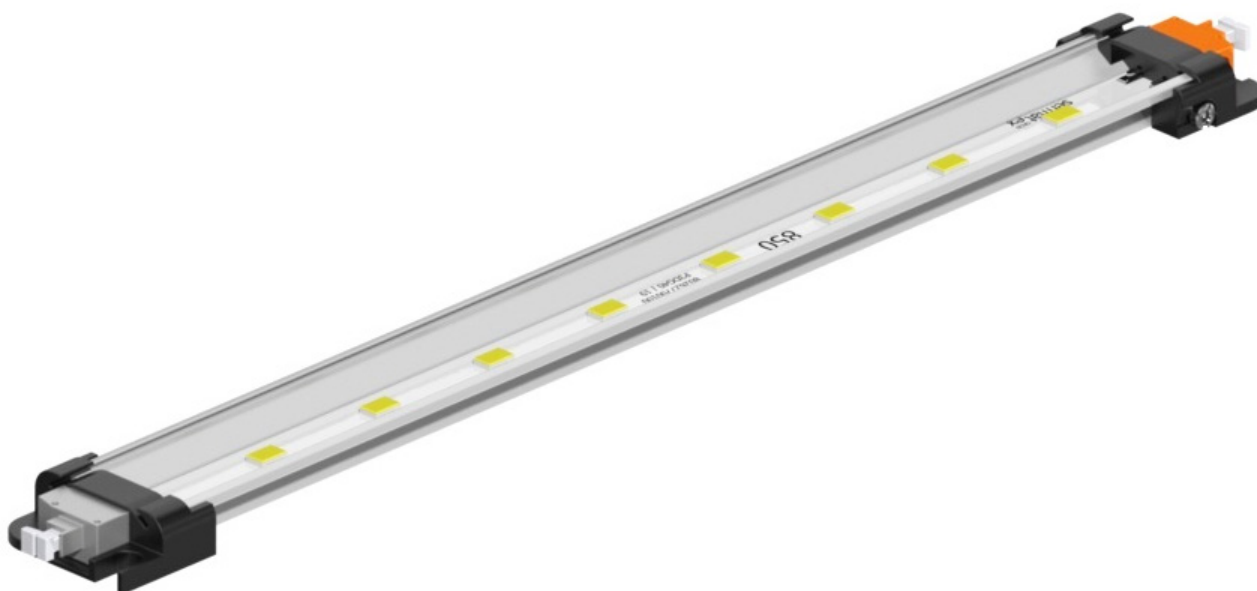


# LED STRIP EX - APPLICATION FOR ZONA 1, 2, 21 E 22

**SG-EX RLEX300**  
**SG-EX RLEX600**



**sermat** **GRÜN**  
**ex**

REV.07 / 01.02.2023

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# LED STRIP Ex

## Technical data

### SPECIFICATIONS

TYPE OF PROTECTION .....

"Ex e" - Increased Safety  
 "Ex m" - Encapsulated  
 "Ex op is" - Optical radiation (inherent safe)

MARKING .....

Ex eb mb op is IIC Gb

AREA OF APPLICATION .....

Zone 1  
 Zone 2  
 Zone 21  
 Zone 22

CERTIFICATE OF CONFORMITY .....

#### Segurança



OCP 0007

INMETRO

INMETRO

CEPEL 20.2512U

### ELECTRICAL SPECIFICATIONS

RATED VOLTAGE .....

RLEX300 - 18Vdc  
 RLEX600 - 36Vdc

POWER .....

RLEX300 - 5W  
 RLEX600 - 10W

LUMINOUS FUX .....

RLEX300 - 715 lm  
 RLEX600 - 1430 lm

MAXIMUM CURRENT .....

280 mA

LIGHT EFFICIENCY .....

143 lm/W

ESTIMATED LIFE .....

L70 > 50.000 hours

CRI .....

> 80

CCT .....

5.000 K

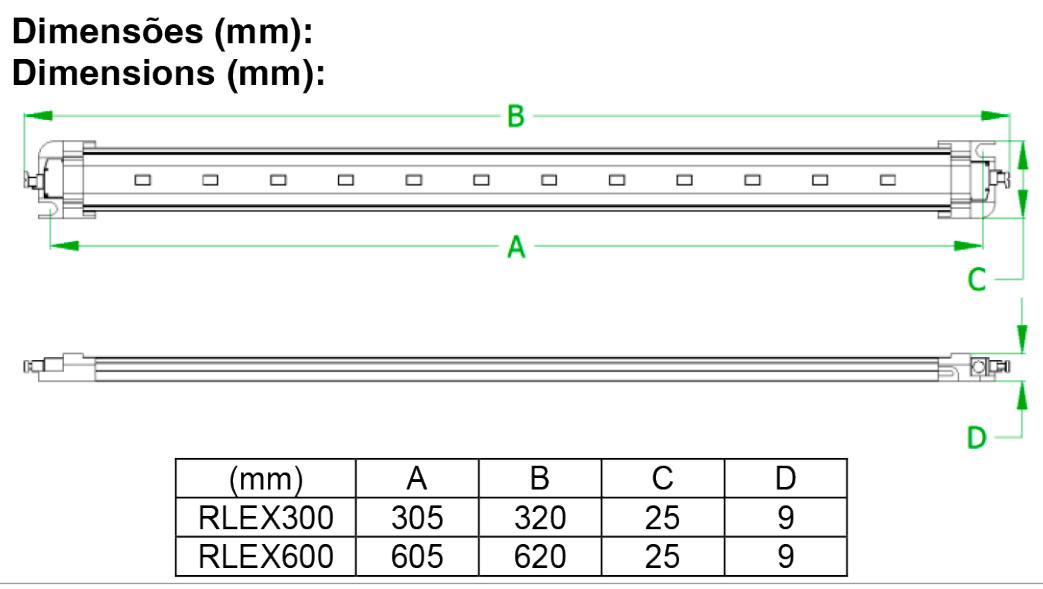
CONNECTION DIAGRAM .....



# LED STRIP Ex

## Technical data

### DIMENSIONS(MM)



### FEATURES

- Electrical circuit developed to keep the strip connected even when burning up to 3 LEDs of the same circuit.
  - This component contains no internal driver.
  - Polarized component.
  - No strobe effect.
  - It has assembly and disassembly system that allows facilities of field maintenance services.
  - The RLEX300 and RLEX600 can be powered by Sermatex's DVL70 Driver, covered by CEPEL17.2430U certificate. Or it can be powered by another Driver, as long as it meets the following characteristics below:  
Rated Current: 280 mA;  
Nominal Voltage (RLEX300): 18 Vdc;  
Nominal Voltage (RLEX600): 36 Vdc.
- The supply circuit must include a protection device that limits the current to 850 mA. Or include a fuse with a maximum rated current of 500 mA, having the corresponding rated voltage and being able to withstand a potential short-circuit current of 1500 A.