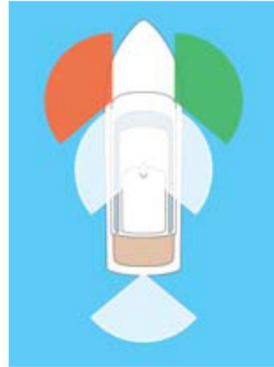


SGR15



Applications



SGR20



GRILLO SGR15 is an electronic device with 5 independent channels that controls the correct operation of the navigation lights of a boat. The device allows you to check the operating status of the bulbs both of the traditional type (filament) and in Led technology, powered with voltages of 12 or 24 Vdc. Thanks to the front Leds and the voltage outputs, it provides an immediate and simple verification by signaling the possible conditions for each lamp. Compact dimensions container for DIN rail mounting.

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The device allows you to check the operating status of the bulbs both of the traditional type (filament) and in Led technology, powered with voltages of 12 or 24 Vdc. Thanks to the front Leds and the voltage outputs, it provides an immediate and simple verification by signaling the possible conditions for each lamp. The SGR20 stores the current value of the individual channels and highlights any anomalies if the measured value is less than about 30% of the set tolerance range (useful for recognizing the aging of the connected lamp).

The operating states detected are:

- Green** = Working (lamp on)
- Yellow** = Short circuit (lamp off)
- Red** = Interrupted (lamp off)

The operating states detected are:

- Green** = Channel working, current in the initial range, lamp on.
- Blue** = Channel in alarm, open circuit, voltage but no current in the channel, bulb damaged or not connected.
- Red** = Channel in alarm, short circuit.
- Off** = Channel not used.
- Violet** = Channel in fault.
- ON-STATUS** = Green, everything OK. Red, channel malfunction.

Technical specifications

- Increases safety on board
- Provides clear and rapid verification of the status of lights
- For Led and filament lamps
- Suitable for 1...25W (12 V) and 1...50W (24 V)
- Maximum current per channel: 2 Adc
- Five channels (lights) per module
- Independent alarm output for each channel
- Power supply: powered by the line of the lamps
- Electrical connections: screw (max sect. 2,5 mm²)
- Mounting: 35 mm DIN rail
- Operating temperature: 0...60°C
- Installation overvoltage category: II°
- Safety and pollution requirements rating: 2 (CEI EN61010-1)
- Dimensions: 100 (A) x 120 (B) x 22,5mm (C)
- Weight: ~ 150g

Technical specifications

- Power consumption: 50mA
- Power range: Min 0,5 W - Max 25 W (12V) 50 W (24V)
- Maximum current per channel: 2 Acc
- Short circuit protection: ≥ 2,5 Acc
- Overvoltage protection: ≥ 36 Vcc
- Open circuit intervention threshold: ≤ 20 mAcc
- Electrical connections: screws (max sect. 2,5 mm²)
- Mounting: 35 mm DIN rail
- Operating temperature: 0...60°C
- Installation overvoltage category: II°
- Safety and pollution requirements rating: 2 (CEI EN61010-1)
- Dimensions: 100 (A) x 120 (B) x 22,5mm (C)
- Weight: ~ 150 g

Code	Description
SGR15	Navigation light controller for conventional and Led lamps, with 5 channels (V.3.3)
SGR20	Navigation light controller for Led lamps, 5 channels, with memorization of the life of the lamps.