

# Fixed & Bicolor Lamp

## FB - Single-phase - Ø 30mm



Reference :

*FB - VOLTAGE + CA + COLORS + 30*

Example : FB110CARV30

### Generalities

We present here the single-phase bicolor LED signal lamps "FB" in fixed light ! It emit a green , red or orange light for « voltage presence » or « device monitoring ». The proven robustness of these lights, you can install them in humid and disturbed environments.

### Description

- Body : Co-polyamide , fixing plastic nut, diameter 30 mm (1.181"), IK10, IP67 in front face, through the flat gasket provided, RoHS compliant, CE, UL 94 V-0.
- Front face : 3 bicolor LED : red (R), green (V) high brightness + 1 transparent cap.  
Other colors available on request.

### Technical specifications

- Supply voltages (+/-20%) and average consumptions in 50/60 Hz :

Voltages Colors	12Vca	24Vca	48Vca	110Vca	115Vca	127Vca	230Vca	400Vca
R, V	115 mVA Cos φ : 1 Résistive	230 mVA Cos φ : 1 Résistive	755 mVA Cos φ : 0.1 Capacitive	1.75 VA Cos φ : 0.1 Capacitive	1.82 VA Cos φ : 0.1 Capacitive	2.1 VA Cos φ : 0.1 Capacitive	2.8 VA Cos φ : 0.1 Capacitive	4 VA Cos φ : 0.1 Capacitive
Other colors	Not indicated Cos φ : 1 Résistive	Not indicated Cos φ : 1 Résistive	Not indicated Cos φ : 0.1 Capacitive	Not indicated Cos φ : 0.1 Capacitive	Not indicated Cos φ : 0.1 Capacitive	Not indicated Cos φ : 0.1 Capacitive	Not indicated Cos φ : 0.1 Capacitive	Not indicated Cos φ : 0.1 Capacitive

- Conformities : Norms EN55015, EN61547, EN61000-6-2, EN61000-6-4, RoHS, Reach, CE.
- Lifetime (MTBF\*) : 100 000 hours.
- Operating temperature : -30°C à +70°C (22°F to 158°F).
- IP protection standard : IP67 (in front face).
- IK protection standard : IK10.

(\* : mean time between failure)

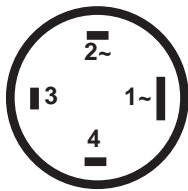
### Advantages

- Insensitivity to vibrations, mechanical shocks.
- Resistance to moisture and water splashes.
- Electrical shocks resist : 5KV during 50µs.
- Immunity against magnetic fields.
- Assembly and disassembly easy, fast and secure .
- Exceptionally long life and unparalleled.
- Low power consumption and heat dissipation.



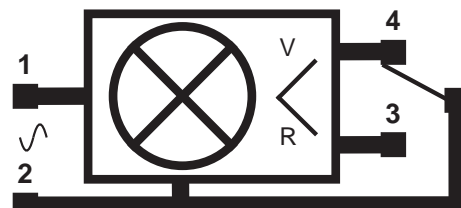
## Connections

- 1 Quick-Fit male terminal 6.3mm (0.248")
- 3 Quick-Fit male terminals 2.8mm (0.110")



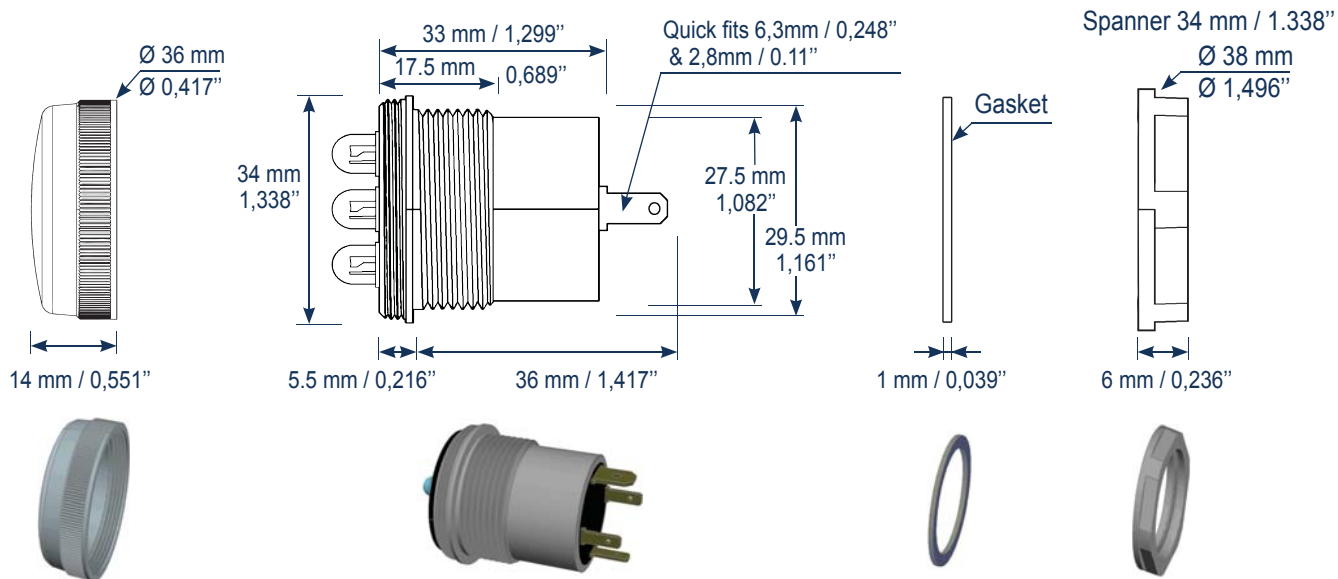
## Electrical symbol

- Quick-Fit 6.3mm = terminal 1



## Mechanical specifications

- Fixing : standard drilling Ø30mm +/-0.5mm ; (Ø 1.181").



## Working

- Off :



- On :



voltage between 1 & 2  
3 & 4 unwired



voltage between 1 & 2  
3 connected to 2



voltage between 1 & 2  
4 connected to 2



voltage between 1 & 2  
3 & 4 connected to 2



## Options & warranty

- Options : On request other voltage, frequencies supply, thresholds voltage, color LED, color cap, white background, output wiring terminals, snap contact with screw or a connector of your choice ...
- Warranty : 24 months manufacturer. No Quick-Fit Terminal Male must be welded or lose the guarantee.
- Recommendation : The Quick-Fit Terminal Male must be completely covered with isolation that can be removed only by destruction.