

# Signal Lamp with threshold

## SFS - Single-phase - Ø 30mm

**Faz**/engineering   
Innovative and industrial signage and applications

by **Fazim**/Group 



Reference :

*SFS + VOLTAGE + CA + COLOR + 30*  
(standard thresholds see technical specifications table)

Example : SFS230CABe30  
+ options >35V, >70V, ou >110V

## Generalities

The signal lamps **FS** in single-phase, are fixed lights, allowing the visualisation of « voltage presence ». The threshold voltage allows the LED lamp, lighting from the value set by this one. This device is the same as the range **FB**, with 5 LEDs instead of 3 LED, for more brightness !

## 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 : 5 color LED : red (R), green (V), yellow (J), amber (A), white (Bc), orange (O) or blue (Be) high brightness + 1 cap matches the colors of LED : Red, Green, Blue, Orange, Yellow or Transparent for White.

## Technical specifications

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

| Voltages                             | 24Vac                             | 48Vac                             | 115Vac                               | 127Vac                              | 230Vac                              | 400Vac                               |
|--------------------------------------|-----------------------------------|-----------------------------------|--------------------------------------|-------------------------------------|-------------------------------------|--------------------------------------|
| Colors                               |                                   |                                   |                                      |                                     |                                     |                                      |
| Standards threshold minimum warranty | 12Vac                             | 24Vac                             | 35Vac                                | 35Vac                               | 35Vac                               | 35Vac                                |
| R, J, A, O                           | 160 mVA<br>Cos φ : 1<br>Résistive | 570 mVA<br>Cos φ : 1<br>Résistive | 1.55 VA<br>Cos φ : 0.1<br>Capacitive | 1.9 VA<br>Cos φ : 0.1<br>Capacitive | 6 VA<br>Cos φ : 0.1<br>Capacitive   | 11.2 VA<br>Cos φ : 0.1<br>Capacitive |
| V, B, Bc                             | 185 mVA<br>Cos φ : 1<br>Résistive | 400 mVA<br>Cos φ : 1<br>Résistive | 2.3 VA<br>Cos φ : 0.1<br>Capacitive  | 1.8 VA<br>Cos φ : 0.1<br>Capacitive | 4.6 VA<br>Cos φ : 0.1<br>Capacitive | 5 VA<br>Cos φ : 0.1<br>Capacitive    |

- Conformities : Normes 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)

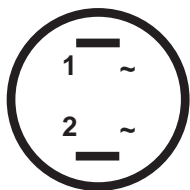
## Advantages

- 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.

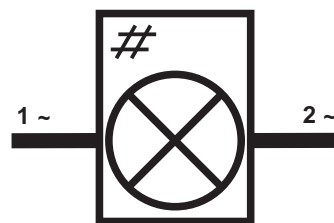


## Connections

- 2 Quick-Fit male terminal 6.3mm (0.248")

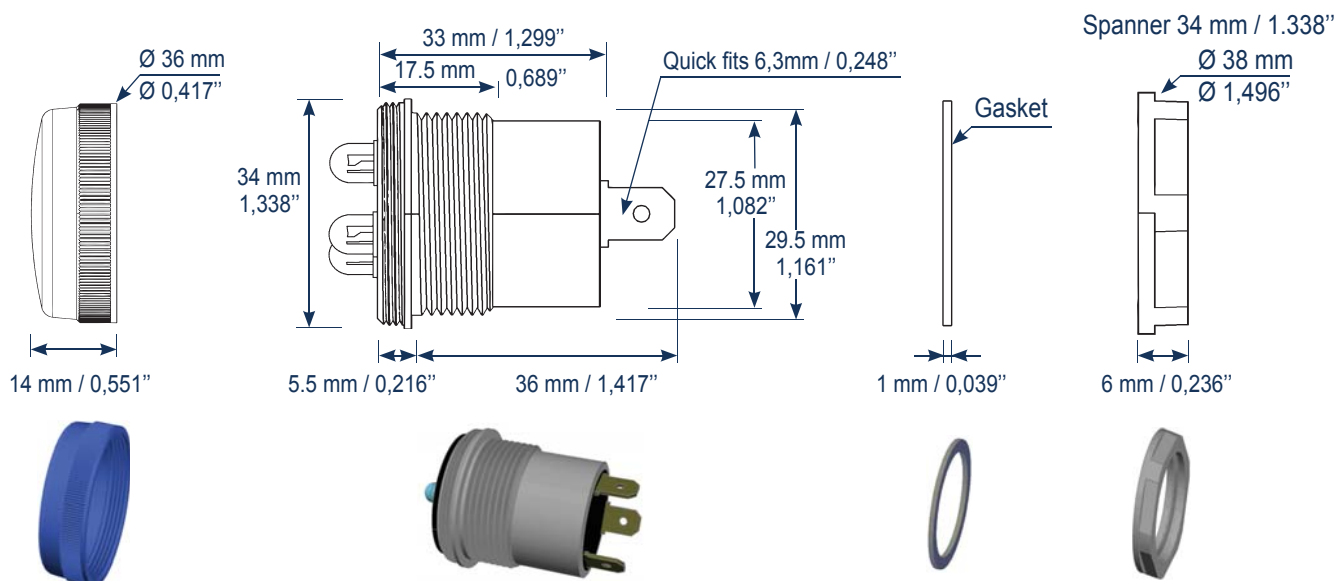


1 = phase 1  
2 = Neutral or Phase 2



## Mechanical specifications

- Fixing : standard drilling  $\varnothing 30\text{mm} \pm 0.5\text{mm}$  ; ( $\varnothing 1.181''$ ).



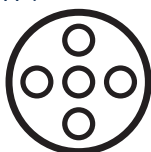
## Working

- Off :

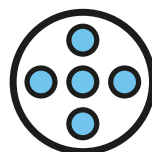


Supply voltage  
= 0Vca

- On :



Supply voltage  
 $\leq$  threshold voltage



Supply voltage  
> or >> threshold voltage



## Options & Warranty

- Options : Other voltage on request, voltages threshold: 35V, >70V or >110V, supply frequencies, black background, specific threshold value, color LED, colors cap, 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. be careful with your peak voltages for your choice of threshold voltage.