

# Signal Lamp with test lamp

## FE - Single-phase - Ø 30mm

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

by **Fazim**/Group 



Reference :

$E + VOLTAGE + CA + COLOR + 30$

Example : E230CAV30

## Generalities

The signal lamps **FE** in single-phase, are fixed lights, allowing the visualisation of « voltage presence ». Each lug terminal «E» of these signal lamps can be connected to create a lamp test of all. The robustness of these indicators can be installed in disturbed and humid 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 color LED : red (R), green (V), yellow (J), amber (I), 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 between terminals 1 and 2 :

Voltages Colors	12Vac	24Vac	48Vac	110Vac	115Vac	127Vac	230Vac	400Vac
R, J, I, O	100 mVA Cos φ : 1 Résistive	260 mVA Cos φ : 1 Résistive	730 mVA Cos φ : 0.1 Capacitive	1.3 VA Cos φ : 0.1 Capacitive	1.4 VA Cos φ : 0.1 Capacitive	1.7 VA Cos φ : 0.1 Capacitive	3.7 VA Cos φ : 0.1 Capacitive	6 VA Cos φ : 0.1 Capacitive
V, B, Bc	80 mVA Cos φ : 1 Résistive	210 mVA Cos φ : 1 Résistive	650 mVA Cos φ : 0.1 Capacitive	1.25 VA Cos φ : 0.1 Capacitive	1.35 VA Cos φ : 0.1 Capacitive	1.65 VA Cos φ : 0.1 Capacitive	2.5 VA Cos φ : 0.1 Capacitive	2.8 VA Cos φ : 0.1 Capacitive

The consumption between 1 and E (lamp test terminal) is lower , the LED lamp will be less lighted during the test.

- 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)

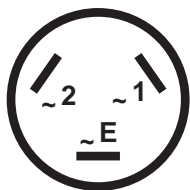
## Advantages

- 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.

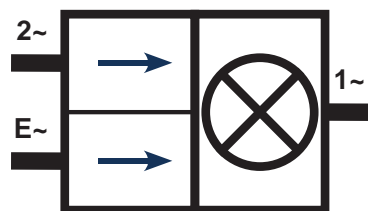


## Connections

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

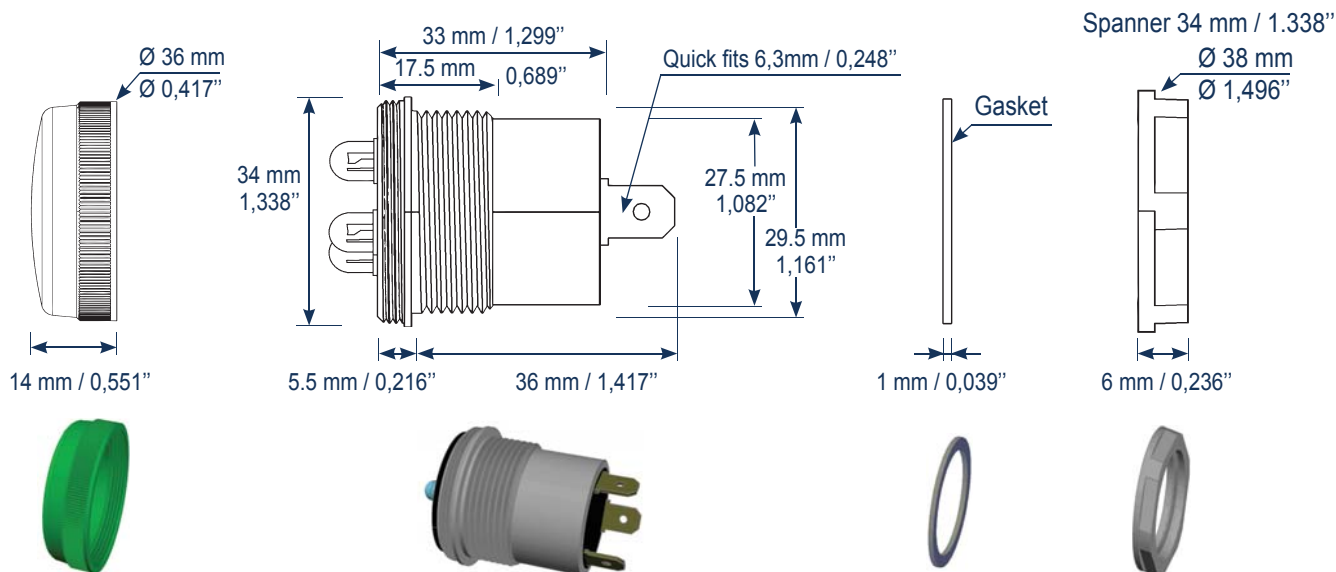


1 = Common  
(Neutral or phase 2)  
2 = Fixed light  
(Phase 1)  
E = Lamp test  
(Phase 1)



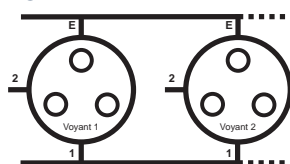
## Mechanical specifications

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



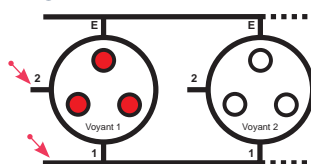
## Working

- Off :

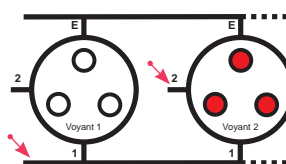


Max : 15 Lamps by  
lamp-test in AC-voltage !

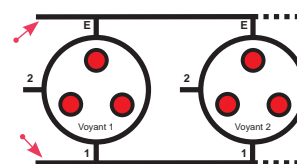
- On :



Lamp 1 : Supply  
voltage between 1 and 2



Lamp 2 : Supply  
voltage between 1 and 2



Lamp test : Supply  
voltage between 1 and E



## Options & warranty

- Options : Other voltage on request, color LED, color cap, output wiring terminals or snap contact with screw, see also FE Ø 22mm ...
- 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.