

Signal lamp 2 functions

SYMA - Single-Phase - Ø 30mm

Faz/engineering®
Innovative and industrial signage and applications

by **Fazim**/Group



Reference :

SYMA + VOLTAGE + CC + COLORS + 30

Example : SYMA230CAVR30

Specify lamp configuration, see **Working**.

Generalities

The signal lamps **SYMA**, in AC-voltage, allow the visualisation of 2 different functions on the same LED lamp. They have a fixed light and can be used to differentiate the different states of a working device like «ON-OFF». 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** : 2, 3, 4 or 5 color LED : red (R), green (V), yellow (J), amber (I), white (Bc), orange (O) or blue (Be) high brightness + 1 transparent cap. (Other LED colors in option)

Technical specifications

- **Supply voltages (+/-20%) and consumptions for 1 function :**

Voltages	12Vac	24Vac	48Vac	110Vac	127Vac	220Vac	400Vac
Colors							
R, J, I, O	120 mVA Cos φ : 1 Résistive	250 mVA Cos φ : 1 Résistive	800 mVA Cos φ : 0.1 Capacive	1.3 VA Cos φ : 0.1 Capacive	1.7 VA Cos φ : 0.1 Capacive	2.5 VA Cos φ : 0.1 Capacive	3.8 VA Cos φ : 0.1 Capacive
V, Bc, Be	- Cos φ : 1 Résistive	- Cos φ : 1 Résistive	- Cos φ : 0.1 Capacive	- Cos φ : 0.1 Capacive	- Cos φ : 0.1 Capacive	- Cos φ : 0.1 Capacive	- Cos φ : 0.1 Capacive

- **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)

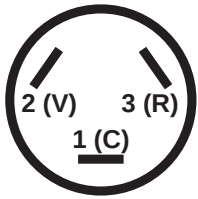
Advantages

- 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

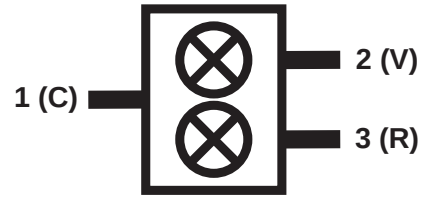
• 3 Quick-Fit male terminals 6.3mm (0.248")



- 1 or C = Common (Neutral or Phase 1)
→ Lug 6.3mm
- 2 or V = Function «ON» (Phase 2)
→ Lug 2.8mm
- 3 or R = Function «OFF» (Phase 2)
→ Lug 2.8mm

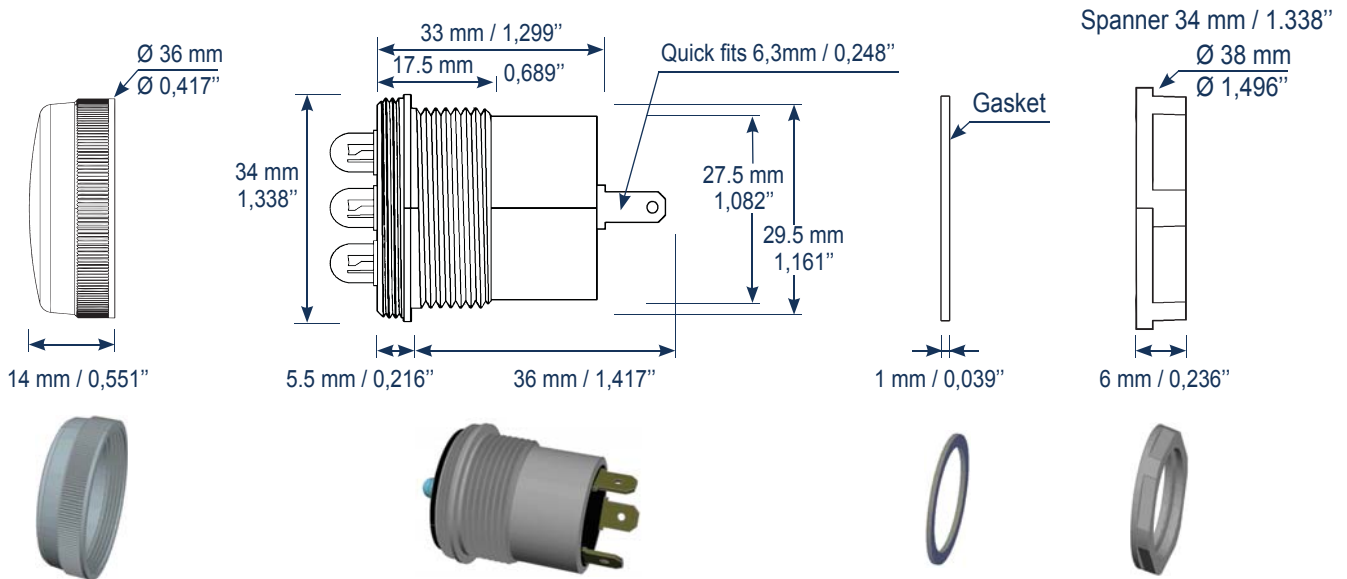
Electrical symbol

Never supply the LED lamp between 2 & 3
at the risk of destroy the lamp !



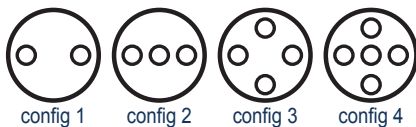
Mechanical specifications

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

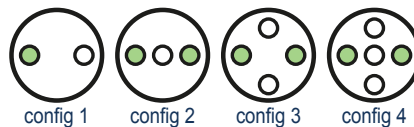


Working

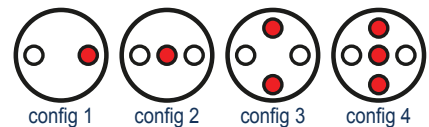
• Off :



• On :



Supply between 1(C) & 2(V)



Supply between 1(C) & 3(R)

Never supply the LED lamp between 2 & 3 at the risk of destroy the lamp !



Options an warranty

- **Options :** Other voltage on request, threshold voltage, configurations, other color LED (Pink **Ro** and Purple **Vi**), color cap, output wiring terminals, snap contact with screw or a connecteur of your choice, black background, ...
- **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.