

Signal lamp 3 functions

SYMADCL - Single-Phase - Ø 30mm

Faz/engineering
Innovative and industrial signage and applications

by **Fazim/Group**



Reference :

SYMADCL + VOLTAGE + CC + COLORS + 30

Example : SYMADCL230CAVRJ30

Only the middle LED flashes.

Generalities

The signal lamps **SYMADCL**, in AC-voltage, allow the visualisation of 3 different functions on the same LED lamp. Fixed & flashing, they can be used to differentiate the different states of a working device like «ON-OFF-DEFAULT». 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 : 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 in fixed light :

Voltages	12Vac	24Vac	48Vac	110Vac	127Vac	220Vac
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
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

- 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)

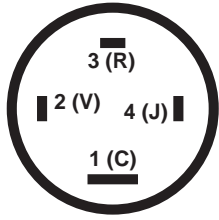
Advantages

- 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

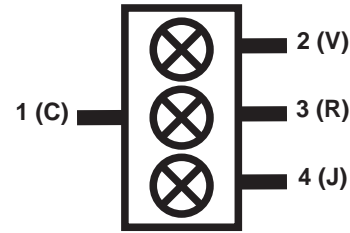
- 1 Quick-Fit male terminal 6.3mm (0.248")
- 3 Quick-Fit male terminals 2.8mm (0.110")



- 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
- 4 or J = Function «DEFAULT» (Phase 2)
→ Lug 2.8mm

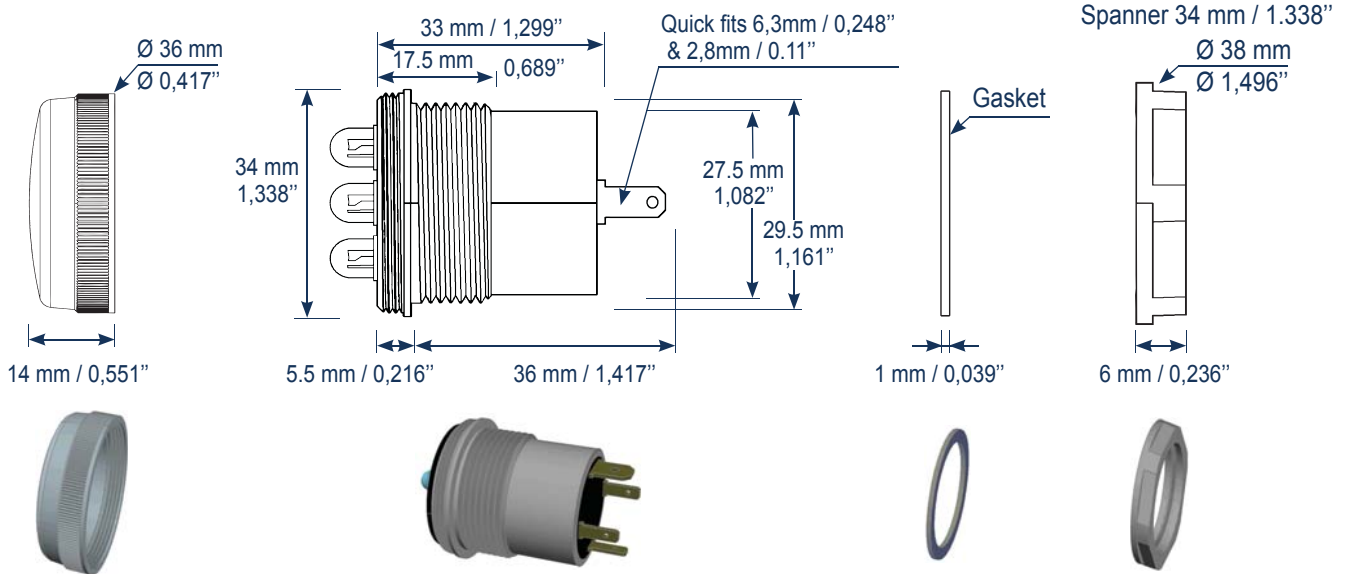
Electrical symbol

Never supply the LED lamp between 2, 3 & 4
at the risk of destroy the lamp !



Mechanical specifications

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



Working

• On :



• Off :



Supply between
1(C) & 2(V)



Supply between
1(C) & 3(R)



Supply between
1(C) & 4(J)

Flashing
frequency ~ 1Hz

Never supply the LED lamp between 2, 3 & 4 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 connector of your choice, black background, engraved text, ...
- 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.