

Signal lamp 3 functions

SYMAD - Direct voltage - Ø 22mm

Faz/engineering 
Innovative and industrial signage and applications

by **Fazim**/Group 



Reference :

SYMAD + VOLTAGE + CC + COLORS + 22

Example : SYMAD24CCVRJ22

Specify lamp configuration, see **Working**.

Generalities

The signal lamps **SYMAD**, in AC-voltage, allow the visualisation of 3 different functions on the same LED lamp. With a fixed light, 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 22 mm (0.866"), IK10, IP67 in front face, through the flat gasket provided, RoHS compliant, CE, UL 94 V-0.
- **Front face** : 3 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	12Vdc	24Vdc	48Vdc	110Vdc	127Vdc	220Vdc
Colors						
R, J, I, O	100 mW	150 mW	200 mW	450 mW	600 mW	700mW
V, Bc, Be	-	-	-	-	-	-

- **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)

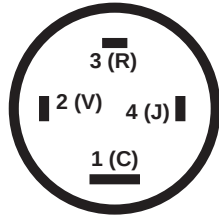
Advantages

- 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.



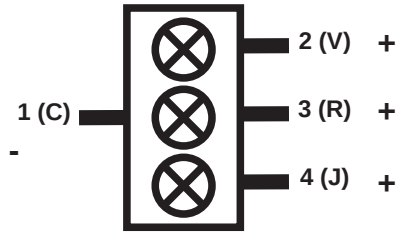
Connections

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



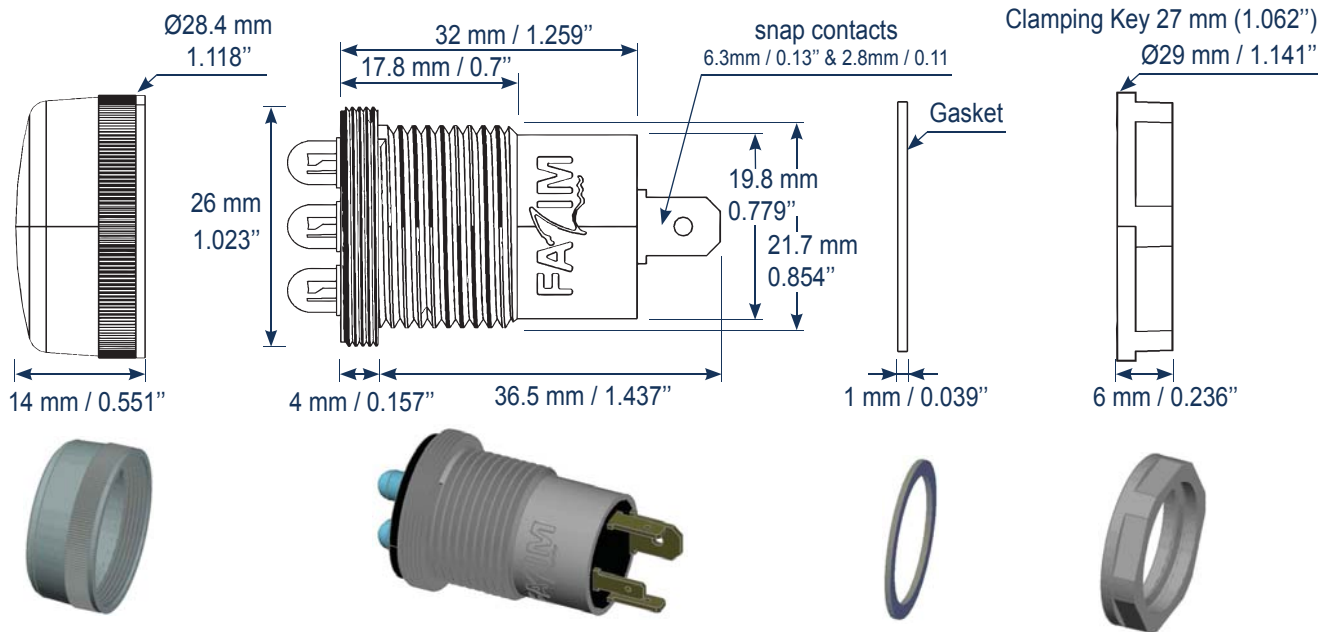
- 1 or C = Common (- common cathodes)
- Lug 6.3mm
- 2 or V = Function «ON» (+)
- Lug 2.8mm
- 3 or R = Function «OFF» (+)
- Lug 2.8mm
- 4 or J = Function «DEFAULT» (+)
- Lug 2.8mm

Electrical symbol



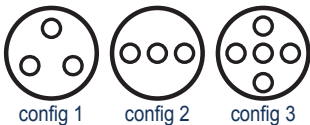
Mechanical specifications

- Fixing : standard drilling $\varnothing 22\text{mm} \pm 0.5\text{mm}$; ($\varnothing 0.866''$).

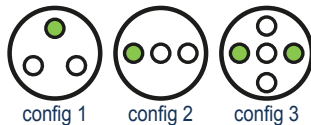


Working

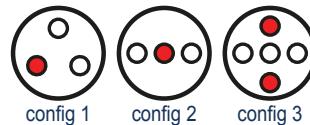
• On :



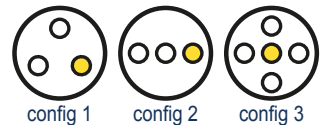
• Off :



Supply between 1(C) & 2(V)



Supply between 1(C) & 3(R)



Supply between 1(C) & 4(J)



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...
- **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.