

Signal Lamp Fixed and flashing

FCL - Single-phase - Ø 22mm

Faz/engineering 
Innovative and industrial signage and applications

by **Fazim**/Group 



Reference :

FCL + VOLTAGE + CA + COLOR + 22

Example : FCL230CAR22

Generalities

The signal lamps **FCL** in single-phase, can be fixed or flashing lights according to wiring, allowing the visualization of two different functions such as «power on», «voltage presence», or signaling another parameter. 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 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 consumption in fixed light :

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

- 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)

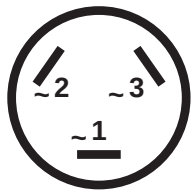
Advantages

- 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")

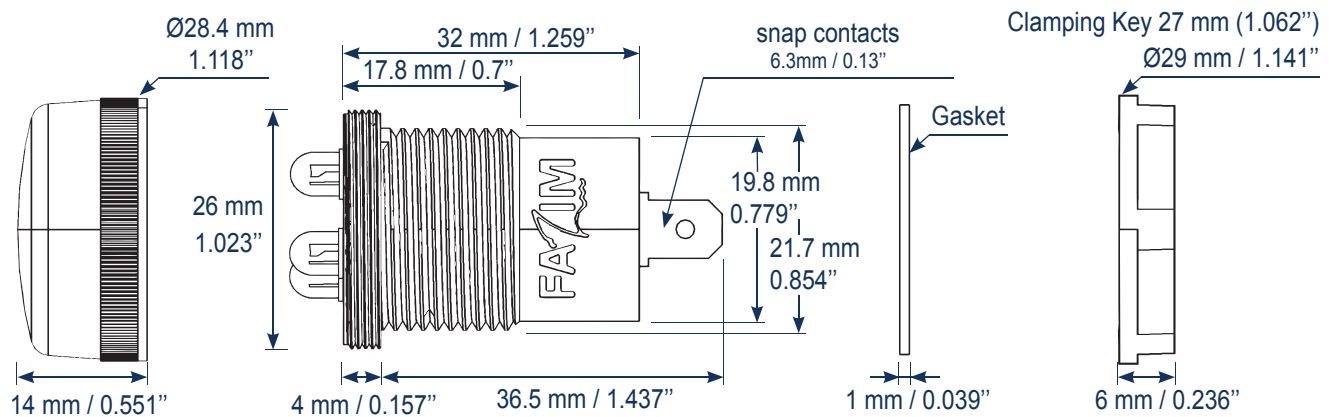


- 1 = Common
(Neutral or phase 2)
- 2 = fixed light
(Phase 1)
- 3 = flashing light
(Phase 1)



Mechanical specifications

- Fixing : standard drilling $\varnothing$ 22mm $\pm$ 0.5mm ; ($\varnothing$ 0.866").



Working

- Off :



- On :



Fixed light (Supply between 1 & 2) or
Flashing light (Supply between 1 & 3)
Type of flash : Flash about 1Hz.



Options & warranty

- Options : Other voltage on request, color LED, color cap, output wiring terminals or snap contact with screw...
- 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.