

Signal Lamp

F - Single-phase - Ø 12mm

Faz/engineering®
Innovative and industrial signage and applications

by **Fazim**/Group



Reference :

VOLTAGE + CA + COLOR + 12

Example : 48CAO12

Generalities

We present here the Ø12mm single-phase LED signal lamps ! It's LED fixed lighting for « voltage presence ». 6 SMD LEDs, Except 6 Vca voltage with 3 LEDs. It is also available in bicolor and tricolor. The proven robustness of these lights, you can install them in humid and disturbed environments.

Description

- **Body** : Co-polyamide, galvanized steel nut, diameter 12mm (0.472"), protection factor : IP55 in front face, RoHS compliant, CE, UL 94 V-0.
- **Front face** : 6 SMD* color LED : red (R), green (V), orange (O), white (Bc), or blue (Be) high brightness + 1 cap matches the colors of LED : Red, Green, Blue, Orange, Jaune, Transparent for white, bicolor and tricolor. * SMD : Surface Mounted Device.

Technical specifications

- **Supply voltages and consumptions in 50/60 Hz (+/-20%) :**

Voltages Colors	6Vca	12Vca	24Vca	48Vca	110Vca	127Vca	230Vca
R, J, I, O	170 mVA Cos φ : 1 Résistive	210 mVA Cos φ : 1 Résistive	300 mVA Cos φ : 0.1 Résistive	640 mVA Cos φ : 0.1 Capacitive	1.3 VA Cos φ : 0.1 Capacitive	1.75 VA Cos φ : 0.1 Capacitive	2.5 VA Cos φ : 0.1 Capacitive
V, B, Bc	215 mVA Cos φ : 1 Résistive	280 mVA Cos φ : 1 Résistive	330 mVA Cos φ : 0.1 Résistive	660 mVA Cos φ : 0.1 Capacitive	1.35 VA Cos φ : 0.1 Capacitive	1.8 VA Cos φ : 0.1 Capacitive	3.8 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** : IP55 (in front face).

(* : mean time between failure)

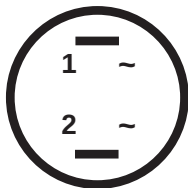
Advantages

- 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.

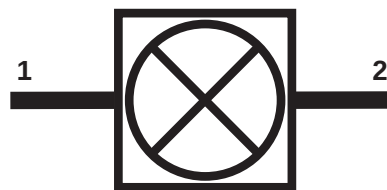


Connections

- 2 Quick-Fit male terminals 2.8mm (0.110")
- or output wiring terminals about 30cm

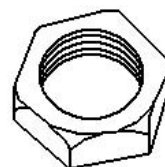
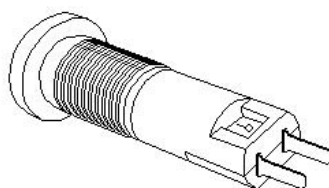
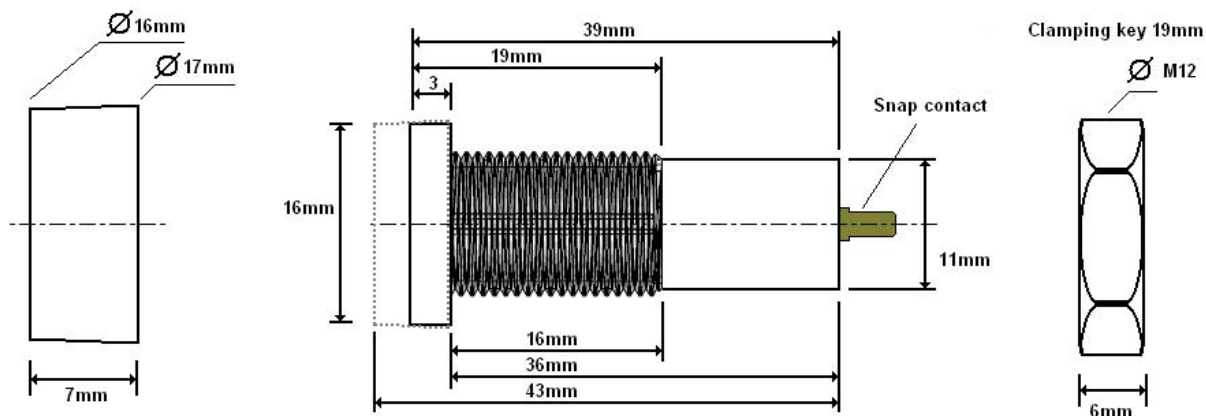


Electrical symbol



Caractéristiques mécaniques

- Fixing : standard drilling Ø12mm (0.472"), +/-0.5mm



Working

- Off :



- On :



Options & warranty

- **Options** : Other voltage on request, color LED, color cap, output wiring terminals, bicolore and tricolore version, Two distinct sides in one .
- **Warranty** : 24 months manufacturer. Never remove the cap, never dismantle the product, 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.