

Lamp Rotation control

CR1ST - AC voltage - Ø 30mm

Faz/engineering
Innovative and industrial signage and applications

by **Fazim/Group**



Reference :

CR1ST - VOLTAGE + CA + COLOR + 30

Example : CR1ST230CABc30

Generalities

CR1ST LED Lamp (visual rotation control, in 1 direction, anti clockwise). When this device is turned on, 3 color LED, illuminate one by one, to simulate the rotation of a motor running. The proven robustness of these lights, you can install them in humid and disturbed 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 : 3 color LED : red (R), green (V), amber (A), white (Bc), orange (O) or blue (Be) high brightness + 1 transparent cap.

Technical specifications

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

Voltages	12Vac	24Vac	48Vac	127Vac	230Vac	400Vac
Colors						
R, A, O	- Cos φ : 1 Résistive	- Cos φ : 1 Résistive	- Cos φ : 0.1 Capacitive	- Cos φ : 0.1 Capacitive	- Cos φ : 0.1 Capacitive	- Cos φ : 0.1 Capacitive
V, B, Bc	- Cos φ : 1 Résistive	- Cos φ : 1 Résistive	840 mVA Cos φ : 0.1 Capacitive	2.23 VA Cos φ : 0.1 Capacitive	4.8 VA Cos φ : 0.1 Capacitive	- 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)

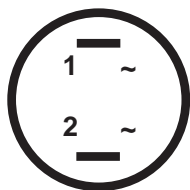
Advantages

- 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

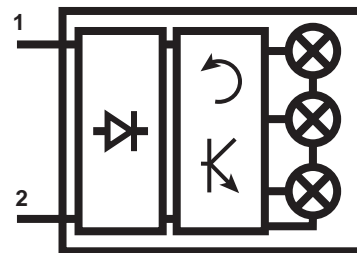
- 2 Quick-Fit male terminals 6.3mm (0.248")



1 = Phase 1

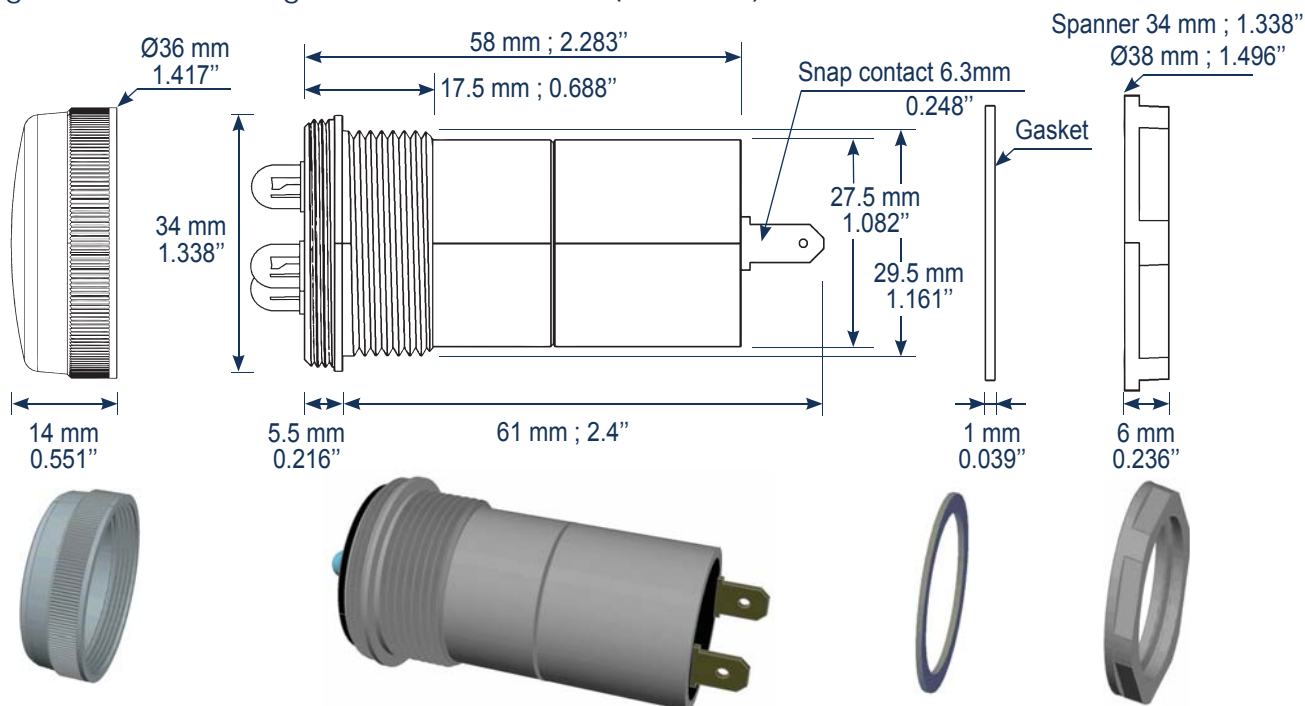
2 = Phase 2 or Neutral

Electrical symbol



Mechanical specifications

- Fixing : standard drilling \varnothing 30mm \pm 0.5mm ; (\varnothing 1.181").



Working

- Off :



- On :



Step 1



Step 2



Step 3

1 turn = about 1,33Hz.
1 LED turned on = 250ms.
(Trigonometric or anti-clockwise)
Step 1, 2, 3, then return to step 1, ...
while the lamp is under supply voltage !



Options & warranty

- Options : Other voltage on request, another speed, color LED, color cap, output wiring terminals, snap contact with screw or connector, customisable engraved text, are also clockwise (CR1SH) and 2 directions of rotation (CR2S) ...
- 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.