Signal lamp 5 functions

SY-5F - Direct voltage - Ø 22mm

Faz/engineering®
innovative and industrial signage and applications

by**Fazim/Group®**

Reference :

SY-5F + VOLTAGE + CC + COLORS + 22

Example : SY-5F24CCVRVJBe22

Generalities

The signal lamps **SY-5F**, in direct-voltage, allow the visualisation of 5 different functions on the same LED lamp. They have a fixed light and can be used to differentiate the different states of a working device. 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 :** 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 / Colors	12Vdc	24Vdc	48Vdc
R, J, I, O, Be	-	210 mW	-
V, Bc	-	100 mW	-

• **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.
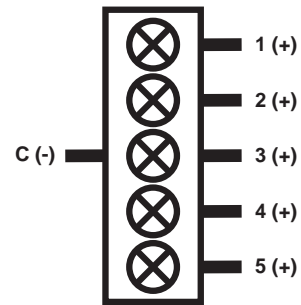• Low power consumption and heat dissipation.

Connections

- **1 Quick-Fit male terminal 6.3mm (0.248″)**
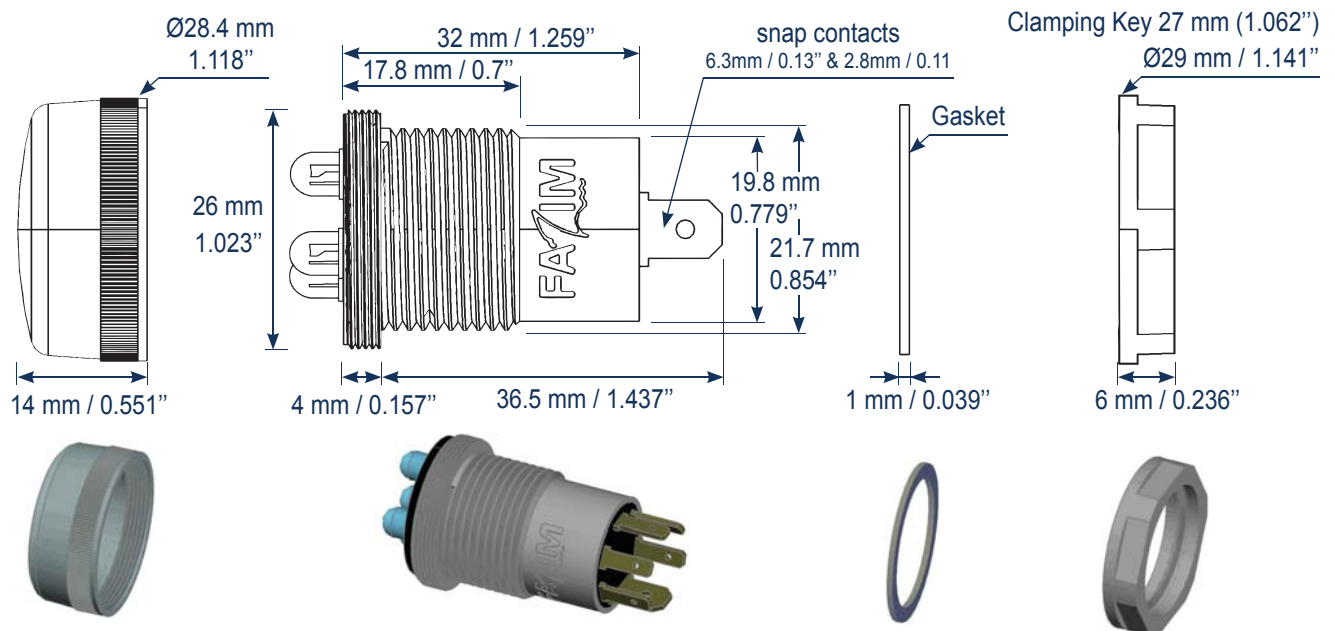- **5 Quick-Fit male terminals 2.8mm (0.110″)**
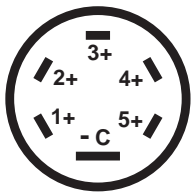
C = Common (-) (Common cathodes)
1 = LED 1 ignition (+)
2 = LED 2 ignition (+)
3 = LED 3 ignition (+)
4 = LED 4 ignition (+)
5 = LED 5 ignition (+)

Electrical symbol

C (-)
1 (+)
2 (+)
3 (+)
4 (+)
5 (+)

Mechanical specifications

- **Fixing : standard drilling Ø 22mm +/-0.5mm ; (Ø 0.866″).**

Ø28.4 mm
1.118”

26 mm
1.023”

14 mm / 0.551”

32 mm / 1.259”
17.8 mm / 0.7”

4 mm / 0.157”   36.5 mm / 1.437”

snap contacts
6.3mm / 0.13” & 2.8mm / 0.11

19.8 mm
0.779”
21.7 mm
0.854”

Gasket

1 mm / 0.039”

Clamping Key 27 mm (1.062”)
Ø29 mm / 1.141”

6 mm / 0.236”

Working

- **Off :**

- **On :**

Between
C(-) and **1**(+)

Between
C(-) and **2**(+)

Between
C(-) and **3**(+)

Between
C(-) and **4**(+)
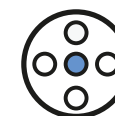
Between
C(-) and **5**(+)

Between **C**(-)
and **1**(+) to **5**(+)

Options an warranty

- **Options :** Other voltage on request, threshold voltage, 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.

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