

VL series

Professional LED indicators

Distinctive features and specifications

- ☐ Indicators with red, yellow or green built-in LED
- ☐ Antirotation flatted bushing
- ☐ 2 bushing diameters : 6 mm (.236) and 8 mm (.314)
- ☐ Sealed or unsealed
- ☐ Bright or matt black chrome finish

ELECTRICAL SPECIFICATIONS

- Insulation resistance : 1.000 M Ω min.
- Dielectric strength : 250 Vrms 50 Hz min.
- Electrical life at high temperature : 72 H at 85°C

LED specifications (TA 25°C)

- Forward voltage : 2VDC ($\leq 2,6V$)
- Nominal current : 10mA
- Max. surge current ($t_p < 10\mu s$) : 0,5A
- Max. reversed voltage : 25V
- Max. forward current : 40mA
- Max. power dissipation : 100mW
- Correct polarity of D.C supply to diode electrodes must be observed :
 - longer lead : anode (+)
 - shorter lead : cathode (-) on flat side of bushing (see drawings).
- The LED is not removable.

MATERIALS

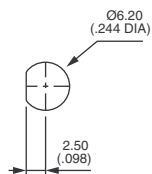
- Bushing and collar : brass, bright or matt black chrome plated
- Lens : polycarbonate
- LED

GENERAL SPECIFICATIONS

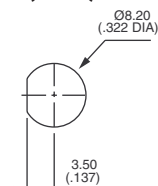
- Torque : 1,25 Nm (.922 Ft.lb) max. applied to nut
- Climatic category : 40/085/21
- Protection level for sealed models: IP 67 according to IEC 529
- In accordance with NFC 93680 standard

PANEL CUT-OUT

For $\varnothing$ 6 (.236)

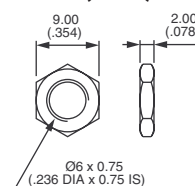


For $\varnothing$ 8 (.314)

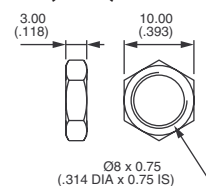


STANDARD HARDWARE

For $\varnothing$ 6 (.236)



For $\varnothing$ 8 (.314)



ABOUT THIS SERIES

Complete part numbers are shown on the following pages.

Dimensions : first dimensions are in mm while inches are shown as bracketted numbers.



Mounting accessories : standard hardware supplied with all models : nickel plated hex nut 9 mm (.354) across flats for indicators $\varnothing$ 6 (.236) or 10 mm (.393) across flats for indicators $\varnothing$ 8 (.314).



Packaging unit : 50 pieces.

Professional LED indicators

→ Flat



The technical drawing illustrates a shaft assembly. The left portion shows a cross-sectional view of a shaft with a central hole. Key dimensions include a total width of 5.50 (.216), a hole diameter of 0.50 (.019), and a distance from the outer edge to the centerline of 0.50 (.019). An arrow points upwards towards the center of the hole.

The right portion shows a side view of the shaft assembly. It features a shaft with a diameter of Ø6.00 x 0.75 (.236 DIA x 0.75 IS) passing through a housing. The housing has a bore diameter of Ø9.00 (.354 DIA). The shaft has a section with a diameter of Ø3.90 (.153 DIA). Dimensions along the shaft's length are 2.50 (.098), 7.50 (.295), and 1.30 Maxi (.051 MAX). A feature at the end of the shaft is dimensioned as 2.54 (.100) with positive (+) and negative (-) tolerances indicated.

Max. panel thickness 5,50 (.216)

→ Flat



Max. panel thickness 8 (.314)

→ Flat



Technical drawing of a flat O-ring. The drawing includes a top view and a side view. The top view shows a circular cross-section with a central hole. The outer diameter is 5.50 (216) and the inner diameter is 0.50 (019). The side view shows the O-ring's profile with a cross-section of 0.60 (240). The outer diameter is 5.60 (220) and the inner diameter is 5.70 (224). The drawing also shows a detail of the O-ring's cross-section with a diameter of 0.60 x 0.75 (236 DIA x 0.75 IS). The O-ring is labeled with a circled '1'.

Lens cap in the same colour as the LED.

Max. panel thickness 3,70 (.145)

→ Flat



Lens cap in the same colour as the LED.

Max. panel thickness 4 (.157)

Option : Bushing without flat, lockwasher : on request.