



# 1092 Series

## 0.500" (12.7mm) Tab Terminals

### LED Panel Mount Indicator



1092 Series with high brightness LED offers daylight visibility and enhances the user experience by enabling fast operation of the device



#### Application

- Industrial
- Transportation
- Food Service
- People Mover
- Medical
- Maritime
- Oil and Gas Industry
- Manufacturing
- Automation & Control

#### Key features

- Front panel snap-in. Snaps fit into 0.500" (12.7mm) panel hole requires no additional hardware
- High brightness LED for daylight viewing
- Available in five single LED colors: red, green, amber, blue and white
- Available in five single lens colors: red, green, amber, blue and clear
- Offered with a variety of lens options: Hi Hat, Hi Dome, Semi Dome and Small Dome
- Transparent and diffused lenses provide visibility during daylight
- Available in operating voltage of 12VAC/DC, 28VAC/DC and 125VAC
- Offered with wire leads (4.4"/4.8") or tab terminal (0.187" x .020")
- "Double D" mounting hole prevent any rotation of the indicator while the nut is being installed.
- Bezel finish: Polished stainless steel
- Designed, manufactured and tested in accordance with the relevant UL and CSA standards
- Order speed nuts separately to provide maximum fastening power with minimal installation torque
- Order gasket separately to provide water, oil, air and dust tight
- Compliant with RoHS and REACH requirements

## Ordering Data

The 1092 Series is available in a range of standard features and options. To specify your Panel Mount Indicator, simply choose one option from each column. An example is shown below

| Series     | Lens Style                                                                                                                                                                 | Color                    | Voltage |        |   |           |   |            |   |                                                                                                                                                                                                                                                                                                                                                       |  |  |                          |     |   |            |       |   |            |       |   |            |      |   |           |       |   |           |                                                                                                                                     |  |     |     |     |     |        |        |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|---------|--------|---|-----------|---|------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--------------------------|-----|---|------------|-------|---|------------|-------|---|------------|------|---|-----------|-------|---|-----------|-------------------------------------------------------------------------------------------------------------------------------------|--|-----|-----|-----|-----|--------|--------|
| 1092Q      |                                                                                                                                                                            |                          | -       |        |   |           |   |            |   |                                                                                                                                                                                                                                                                                                                                                       |  |  |                          |     |   |            |       |   |            |       |   |            |      |   |           |       |   |           |                                                                                                                                     |  |     |     |     |     |        |        |
|            | <div><table><tr><td>Hi-Dome</td><td>A</td></tr><tr><td>Hi-Hat</td><td>C</td></tr><tr><td>Semi-Dome</td><td>D</td></tr><tr><td>Small-Dome</td><td>M</td></tr></table></div> | Hi-Dome                  | A       | Hi-Hat | C | Semi-Dome | D | Small-Dome | M | <div><table><tr><th></th><th></th><th>luminous intensity (Typ)</th></tr><tr><td>Red</td><td>1</td><td>13,000 mcd</td></tr><tr><td>Amber</td><td>3</td><td>13,000 mcd</td></tr><tr><td>Green</td><td>5</td><td>12,000 mcd</td></tr><tr><td>Blue</td><td>6</td><td>3,200 mcd</td></tr><tr><td>Clear</td><td>2</td><td>7,000 mcd</td></tr></table></div> |  |  | luminous intensity (Typ) | Red | 1 | 13,000 mcd | Amber | 3 | 13,000 mcd | Green | 5 | 12,000 mcd | Blue | 6 | 3,200 mcd | Clear | 2 | 7,000 mcd | <div><table><tr><td>12V</td><td>12V</td></tr><tr><td>28V</td><td>28V</td></tr><tr><td>125VAC</td><td>125VAC</td></tr></table></div> |  | 12V | 12V | 28V | 28V | 125VAC | 125VAC |
| Hi-Dome    | A                                                                                                                                                                          |                          |         |        |   |           |   |            |   |                                                                                                                                                                                                                                                                                                                                                       |  |  |                          |     |   |            |       |   |            |       |   |            |      |   |           |       |   |           |                                                                                                                                     |  |     |     |     |     |        |        |
| Hi-Hat     | C                                                                                                                                                                          |                          |         |        |   |           |   |            |   |                                                                                                                                                                                                                                                                                                                                                       |  |  |                          |     |   |            |       |   |            |       |   |            |      |   |           |       |   |           |                                                                                                                                     |  |     |     |     |     |        |        |
| Semi-Dome  | D                                                                                                                                                                          |                          |         |        |   |           |   |            |   |                                                                                                                                                                                                                                                                                                                                                       |  |  |                          |     |   |            |       |   |            |       |   |            |      |   |           |       |   |           |                                                                                                                                     |  |     |     |     |     |        |        |
| Small-Dome | M                                                                                                                                                                          |                          |         |        |   |           |   |            |   |                                                                                                                                                                                                                                                                                                                                                       |  |  |                          |     |   |            |       |   |            |       |   |            |      |   |           |       |   |           |                                                                                                                                     |  |     |     |     |     |        |        |
|            |                                                                                                                                                                            | luminous intensity (Typ) |         |        |   |           |   |            |   |                                                                                                                                                                                                                                                                                                                                                       |  |  |                          |     |   |            |       |   |            |       |   |            |      |   |           |       |   |           |                                                                                                                                     |  |     |     |     |     |        |        |
| Red        | 1                                                                                                                                                                          | 13,000 mcd               |         |        |   |           |   |            |   |                                                                                                                                                                                                                                                                                                                                                       |  |  |                          |     |   |            |       |   |            |       |   |            |      |   |           |       |   |           |                                                                                                                                     |  |     |     |     |     |        |        |
| Amber      | 3                                                                                                                                                                          | 13,000 mcd               |         |        |   |           |   |            |   |                                                                                                                                                                                                                                                                                                                                                       |  |  |                          |     |   |            |       |   |            |       |   |            |      |   |           |       |   |           |                                                                                                                                     |  |     |     |     |     |        |        |
| Green      | 5                                                                                                                                                                          | 12,000 mcd               |         |        |   |           |   |            |   |                                                                                                                                                                                                                                                                                                                                                       |  |  |                          |     |   |            |       |   |            |       |   |            |      |   |           |       |   |           |                                                                                                                                     |  |     |     |     |     |        |        |
| Blue       | 6                                                                                                                                                                          | 3,200 mcd                |         |        |   |           |   |            |   |                                                                                                                                                                                                                                                                                                                                                       |  |  |                          |     |   |            |       |   |            |       |   |            |      |   |           |       |   |           |                                                                                                                                     |  |     |     |     |     |        |        |
| Clear      | 2                                                                                                                                                                          | 7,000 mcd                |         |        |   |           |   |            |   |                                                                                                                                                                                                                                                                                                                                                       |  |  |                          |     |   |            |       |   |            |       |   |            |      |   |           |       |   |           |                                                                                                                                     |  |     |     |     |     |        |        |
| 12V        | 12V                                                                                                                                                                        |                          |         |        |   |           |   |            |   |                                                                                                                                                                                                                                                                                                                                                       |  |  |                          |     |   |            |       |   |            |       |   |            |      |   |           |       |   |           |                                                                                                                                     |  |     |     |     |     |        |        |
| 28V        | 28V                                                                                                                                                                        |                          |         |        |   |           |   |            |   |                                                                                                                                                                                                                                                                                                                                                       |  |  |                          |     |   |            |       |   |            |       |   |            |      |   |           |       |   |           |                                                                                                                                     |  |     |     |     |     |        |        |
| 125VAC     | 125VAC                                                                                                                                                                     |                          |         |        |   |           |   |            |   |                                                                                                                                                                                                                                                                                                                                                       |  |  |                          |     |   |            |       |   |            |       |   |            |      |   |           |       |   |           |                                                                                                                                     |  |     |     |     |     |        |        |

**Example:** 1092QD5-12V

1092 Tab Terminals with Semi-Dome lens - Green LED and 12 Volts



## Accessories Ordering Data [order separately]

Speed Nut: SN0461-C

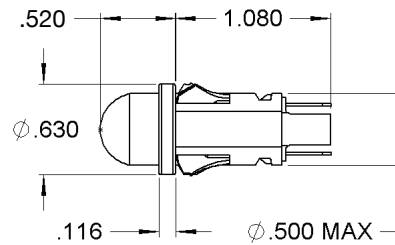
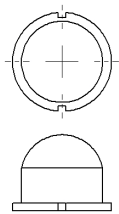


O'Ring Gasket: SPC472

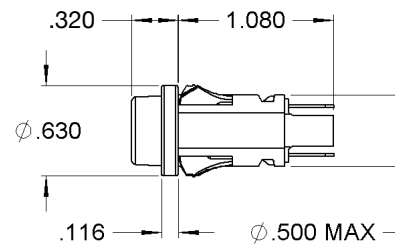
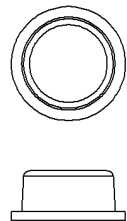


## Product Dimensions

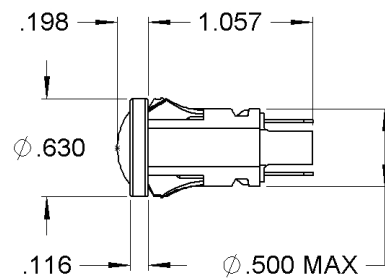
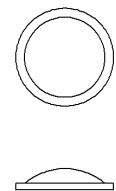
### Hi-Dome



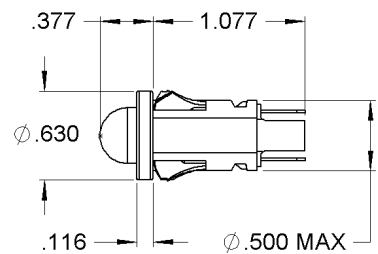
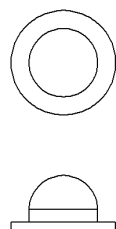
### Hi-Hat



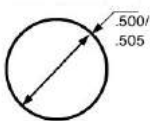
### Semi Dome



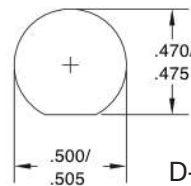
### Small Dome



### Mounting Hole (All)



Standard Mounting Hole



D-Mounting Hole

D-Mounting Hole

Dimensions in inches

## Product Specifications

| Materials     |                                       |
|---------------|---------------------------------------|
| Housing       | White Nylon UL94 V-2                  |
| Lens          | Transparent Polycarbonate<br>UL94 V-2 |
| Bezel         | Polished stainless steel              |
| Tab terminals | Quick-connect tinned brass            |

| Voltage Table |            |          |
|---------------|------------|----------|
| Nominal       | VAC        | VDC      |
| 12V           | 10 to 14   | 10 to 14 |
| 28V           | 26 to 30   | 26 to 30 |
| 125V          | 105 to 125 | -        |

| Temperature Specifications |                                   |
|----------------------------|-----------------------------------|
| Operating Temperature      | -40°C to +85°C<br>-40°F to +185°F |
| Storage Temperature        | -40°C to +85°C<br>-40°F to +185°F |

| Installation Specifications |                                         |
|-----------------------------|-----------------------------------------|
| Mounting Hole               | 0.500" to 0.505"<br>(12.70 to 12.83 mm) |
| D-Mounting Hole             | 0.470" to 0.475"<br>(11.94 to 12.07 mm) |
| Panel Thickness             | 0.020" to 0.100"<br>(0.51 to 2.54 mm)   |
| Tab Terminals               | 0.187" (4.75mm) terminals               |

| Internal Resistor |                          |
|-------------------|--------------------------|
| 12V               | 390Ω                     |
| 28V               | 1200Ω                    |
| 125V              | 15000Ω + rectifier diode |

|                        |      |
|------------------------|------|
| Forward Current Rating | 25mA |
|------------------------|------|

## Accessory options [order separately]

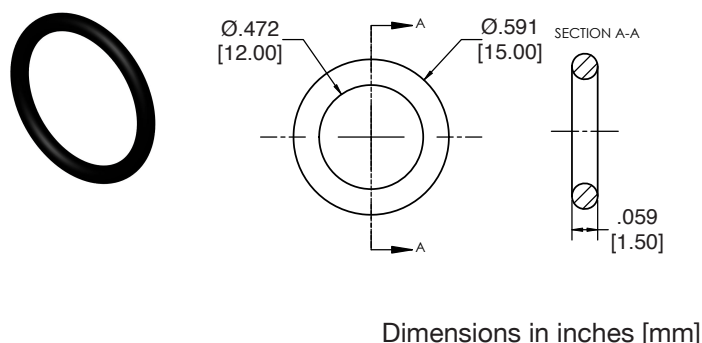
### O-Ring Gasket

Part Number: **SPC472**

The 1092 Gasket is designed to seal many types of media, including water, air, dust, and oil.

The panel gasket is intended to provide a seal between the panel and the 1092 Panel Mount Indicator.

Meets ASTM D2000 standard.



| Material                     |  |
|------------------------------|--|
| Buna-N, Durometer A50, black |  |

| Installation Specification |                 |
|----------------------------|-----------------|
| Internal Diameter          | 0.472" (12 mm)  |
| 28V                        | 0.059" (1.5 mm) |
| Operational Temperature    | -30°F to +225°F |

## Accessory options [order separately]

### Push-on speed nut

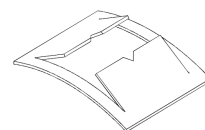
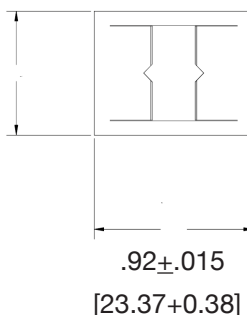
Part Number: **SN0461-C**

Description: Speed nut with coating, which secures the indicator in place

- One piece, self-locking, heat-treated, spring-steel fastener that replaces threaded nut, lock washer or spanner washer
- Eliminates time-consuming assembly operations
- Fast and easy to apply, the speed nut fastener provides maximum holding power at minimum cost per fastener
- It does not shake loose from vibration, yet can be easily loosened without worry about rust-frozen screw threads
- For smaller components where space is premium
- Requires less torque than standard hex-nuts
- Can be installed prior to painting process so threads won't fill.



.75±.01  
[19.05±0.25]



Dimensions in inches [mm]

| Material                 |              |
|--------------------------|--------------|
| Speed Nut<br>(one piece) | Spring Steel |

| Installation Specification |                   |
|----------------------------|-------------------|
| Stud Size                  | 0.485" (12.319mm) |

## Compliances and Approvals



## Данный компонент на территории Российской Федерации

**Вы можете приобрести в компании MosChip.**

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

### Офис по работе с юридическими лицами:

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