

Datasheet

## RS Pro Prominent Indicator Panel Mount, 6mm Mounting Hole Size, Orange LED, Solder Lug Termination, 7 mm Lamp Size

RS Stock No: **843-2420**



### Product Details

RS Pro prominent indicator with 6 mm mounting hole, features orange LEDs for panel mount applications. With an IP67 rating, it is suitable for most environments including outdoor applications. This indicator accommodates a lamp size of 3 mm and offers solder lug termination. It has a voltage rating of 12 V dc. The indicator has a wide operating temperature range of -40 to +85°C, further increasing the potential applications they may be used for. The 3 mm LED requires a 6 mm panel cut-out and is supplied with a fixing nut and spring washer. It offers a wide selection of voltage ratings, bezel finishes and bezel styles.

### Features and Benefits

- 6 mm panel mounting LED indicator
- Coloured diffused epoxy lens or water clear super bright LEDs
- Prominent, recessed, chamfer and flush bezel styles
- Sealed to IP67
- Operating temperature range: -40 to +85°C

**Specifications:**

|                      |               |
|----------------------|---------------|
| Bezel Colour         | Bright Chrome |
| Bezel Style          | Prominent     |
| Current Rating       | 20 mA         |
| Intensity            | 60 mcd        |
| IP Rating            | IP67          |
| Lamp Size            | 3 mm          |
| Lamp Type            | LED           |
| Length               | 26.6 mm       |
| Light Output Colour  | Orange        |
| Mounting Hole Size   | 6 mm          |
| Termination Type     | Solder Lug    |
| Type                 | Panel Mount   |
| Voltage Rating       | 12 V dc       |
| Temperature Rating   | -40 to +85°C  |
| Type of Illumination | Fixed Light   |
| LED Colour           | Orange        |



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| TECHNICAL SPECIFICATIONS |                                   |  |
|--------------------------|-----------------------------------|--|
| Voltage                  | Operating Voltage<br>(Min to Max) | Operating Current<br>(Typical All Types) |
| 02 (No Resistor)         | 1.8 to 3.8VDC                     | 20mA max*                                |
| 6VDC                     | 5.4 to 6.6VDC                     | 20mA                                     |
| 12VDC                    | 10.8 to 13.2VDC                   | 20mA                                     |
| 24VAC/DC                 | 21.6 to 26.4VDC                   | 20mA                                     |
| 28VDC                    | 25.2 to 30.8VDC                   | 20mA                                     |

|  |
|--|
| <b>Max Reverse Voltage:</b> 5V                               |
| <b>Viewing Angle:</b> 30–100° (dependant on model)           |
| <b>Life Expectancy:</b> 100,000 hours                        |
| <b>Temperature Range:</b> –40 to +85°C (operating & storage) |
| <b>Torque:</b> 4cNm  |
|  |

| Standard LED Intensity         | Prominent and Recessed | Flush   | Forward Voltage |
|--------------------------------|------------------------|---------|-----------------|
| HE Red                         | 40mcd                  | 10mcd   | 2.0V            |
| Green                          | 50mcd                  | 12mcd   | 2.2V            |
| Yellow                         | 30mcd                  | 6mcd    | 2.1V            |
| Blue                           | 1,200mcd               | 100mcd  | 3.8V            |
| White                          | 1,200mcd               | 160mcd  | 3.8V            |
| Orange                         | 60mcd                  | 10mcd   | 2.0V            |
| Bi-color (Typical) (Red/Green) | 20/15mcd               | 10/8mcd | 2.0V/2.2V       |

The color is changed by reversing the polarity of the supply voltage.

| Super Bright LED | Prominent and Recessed | Flush    | Forward Voltage |
|------------------|------------------------|----------|-----------------|
| HE Red           | 1,000mcd               | 700mcd   | 2.2V            |
| Green            | 1,200mcd               | 2,000mcd | 3.5V            |
| Yellow           | 2000mcd                | 8,000mcd | 2.3V            |
| Blue             | 1,600mcd               | 200mcd   | 3.3V            |
| White            | 1,200mcd               | 350mcd   | 3.3V            |
| Orange           | 10,000mcd              | 500mcd   | 2.2V            |

| Hyper Bright LED | Prominent and Recessed | Flush  | Forward Voltage |
|------------------|------------------------|--------|-----------------|
| HE Red           | 3,700mcd               | 600mcd | 2.2V            |
| Green            | 2,000mcd               | 350mcd | 3.2V            |
| Yellow           | 1,200mcd               | 140mcd | 2.0V            |
| Orange           | 4,500mcd               | 400mcd | 2.2V            |

Luminous intensity will be reduced with lower operating current.

Note: The operating voltage must not be exceeded by more that 10% as this will result in reduced life expectancy.  
 The company reserves the right to change specifications without notice.  
 \* Customer to supply resistor for desired operating current.  
 Luminous intensity is measured at 20mA on a discrete LED unless otherwise stated.  
 LED characteristics are dependent upon environmental conditions. Therefore published data should be considered nominal.

**Technical Drawings**

**PROMINENT BEZEL**

