

# ENGLISH

Datasheet

RS Pro Prominent Indicator Panel Mount, 8mm Mounting Hole Size, Green LED, Solder Tab Termination, 5 mm Lamp Size, 110 V ac RS Stock No: 210-513



### **Product Details**

RS Pro prominent indicator with 8 mm mounting hole, features green LEDs for panel mount applications. This indicator accommodates a lamp size of 5 mm and offers faston, solder lug termination. It has a voltage rating of 110 V ac. The indicator has a wide operating temperature range of -40 to +85°C, further increasing the potential applications they may be used for. The 5 mm LED requires an 8 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**

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

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# **Specifications:**

| Bezel Colour         | Black Chrome       |  |
|----------------------|--------------------|--|
| Bezel Style          | Prominent          |  |
| Current Rating       | 6 mA               |  |
| Intensity            | 60 mcd             |  |
| Lamp Size            | 5 mm               |  |
| Lamp Type            | LED                |  |
| Length               | 33.85 mm           |  |
| Light Output Colour  | Green              |  |
| Mounting Hole Size   | 8 mm               |  |
| Termination Type     | Faston, Solder Lug |  |
| Туре                 | Panel Mount        |  |
| Voltage Rating       | 110 V ac           |  |
| Temperature Rating   | -40 to +85°C       |  |
| Type of Illumination | Fixed Light        |  |
| LED Colour           | Green              |  |



#### **TECHNICAL SPECIFICATIONS**

| Voltage          | Operating Voltage | Operating Current   |  |
|------------------|-------------------|---------------------|--|
|                  | (Min to Max)      | (Typical All Types) |  |
| 02 (No Resistor) | 1.8 to 3.3VDC     | 20mA max*           |  |
| 6VDC             | 5.4 to 6.6VDC     | 20mA                |  |
| 12VDC            | 10.8 to 13.2VDC   | 20mA                |  |
| 24VDC            | 21.6 to 26.4VDC   | 20mA                |  |
| 28VDC            | 25.2 to 30.8VDC   | 20mA                |  |
| 110VAC           | 99 to 121VAC      | 6mA                 |  |
| 220VAC           | 207 to 253VAC     | 3mA                 |  |

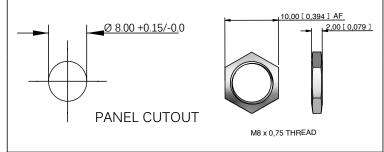
#### Max Reverse Voltage: 5V

Viewing Angle: 30–100° (dependant on model)

Life Expectancy: 100,000 hours

Temperature Range: -40 to +85°C (operating & storage)

Torque: 20 to 25cNm



| Standard LED Intensity  | Prominent and Recessed | Flush      | Forward Voltage |  |
|---|------------------------|------------|-----------------|--|
| HE Red  | 80mcd                  | 8mcd       | 2.0V            |  |
| Green   | 60mcd                  | 6mcd       | 2.2V            |  |
| Yellow  | 50mcd                  | 6mcd       | 2.1V            |  |
| Blue  | 1600mcd                | 50mcd      | 3.3V            |  |
| White   | 1600mcd                | 500mcd     | 3.3V            |  |
| Orange  | 60mcd                  | 110mcd     | 2.2V            |  |
| Bi-color (Typical) (Red/Green)  | 14/30mcd               | 15/10mcd   | 2.0V/2.2V       |  |
| Tri-color (Typical) (Red/Green/Yellow)  | 60/15/13mcd            | 15/10/6mcd | 2.0V/2.2V/2.1V  |  |
| Bi-color - The color is changed by reversing the polarity of the supply voltage.          |                        |            |                 |  |
| Tri-color - The indicator has red and green LEDs, when both connected yellow is produced. |                        |            |                 |  |
|   | -                      | -          | •               |  |

| Super Bright LED | Prominent and Recessed | Flush    | Forward Voltage |
|------------------|------------------------|----------|-----------------|
| HE Red           | 5,000mcd               | 1,300mcd | 2.2V            |
| Green            | 10,000mcd              | 1,200mcd | 3.3V            |
| Yellow           | 4,000mcd               | 350mcd   | 2.0V            |
| Blue             | 2,200mcd               | 280mcd   | 3.3V            |
| White            | 2,500mcd               | 950mcd   | 3.3V            |
| Orange           | 4,000mcd               | 500mcd   | 2.2V            |

| Hyper Bright LED | Prominent and Recessed | Flush  | Forward Voltage |
|------------------|------------------------|--------|-----------------|
| HE Red           | 6,000mcd               | 980mcd | 2.2V            |
| Green            | 1,900mcd               | 300mcd | 3.3V            |
| Yellow           | 1,600mcd               | 250mcd | 2.0V            |
| Orange           | 2,400mcd               | 110mcd | 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. Luminous intensities and color shades of white LEDs may vary within a batch. LED characteristics are dependent upon environmental conditions. Therefore published data should be considered nominal.

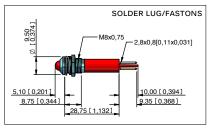
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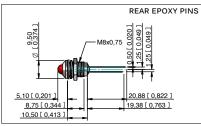
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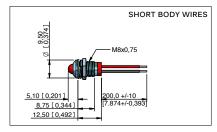


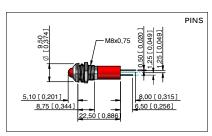
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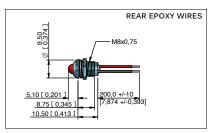
# Technical Drawings

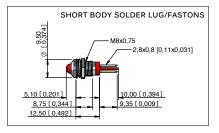


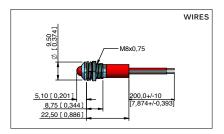


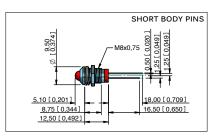


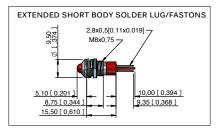












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