

Datasheet

RS Pro Prominent Indicator Panel Mount, 12mm Mounting Hole Size, Red LED, Lead Pins Termination, 8 mm Lamp Size, 2 V dc

RS Stock No: **211-982**



Product Details

RS Pro prominent indicator with 12 mm mounting hole, features super bright red LEDs for panel mount applications. This indicator accommodates a lamp size of 8 mm and offers lead pin termination. It has a voltage rating of 2.2 V. The indicator has a wide operating temperature range of -40 to +85°C, further increasing the potential applications they may be used for. The 8 mm LED requires a 12 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

- 12 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

**Specifications:**

| | |
|----------------------|------------------|
| Bezel Colour | Black Chrome |
| Bezel Style | Prominent |
| Current Rating | 20 mA |
| Intensity | 3000 mcd |
| Lamp Size | 8 mm |
| Lamp Type | LED |
| Length | 32 mm |
| Light Output Colour | Red |
| Mounting Hole Size | 12 mm |
| Termination Type | Pins |
| Type | Panel Mount |
| Voltage Rating | 2.2 V |
| Temperature Rating | -40 to +85°C |
| Type of Illumination | Fixed Light |
| LED Colour | Super Bright Red |



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| TECHNICAL SPECIFICATIONS | | |
|--------------------------|-----------------------------------|--|
| Voltage | Operating Voltage (Min to Max) | Operating Current (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: 75cNm

PANEL CUTOUT

M12 x 0.75 THREAD

| Standard LED Intensity | Prominent and Recessed | Flush | Forward Voltage |
|---|------------------------|----------|-----------------|
| HE Red | 350mcd | N/A | 2.0V |
| Green | 60mcd | N/A | 2.2V |
| Yellow | 50mcd | N/A | 2.1V |
| Blue | 800mcd | N/A | 3.3V |
| Blue | N/A | 330mcd | 3.1V |
| White | 1,200mcd | N/A | 3.3V |
| White | N/A | 2,180mcd | 3.1V |
| Orange | 100mcd | N/A | 2.0V |
| Bi-color (Typical) (Red/Green) | 20/10mcd | N/A | 2.0V/2.2V |
| Tri-color (Typical) (Red/Green/Yellow) | 80/15/13mcd | N/A | 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 | 3,000mcd | N/A | 2.2V |
| Green | 8,000mcd | N/A | 3.3V |
| Yellow | 1,100mcd | N/A | 2.3V |
| Blue | 1,500mcd | N/A | 3.3V |
| White | 1,200mcd | N/A | 3.3V |
| Orange | 2,000mcd | N/A | 2.2V |
| Hyper Bright LED | Prominent and Recessed | Flush | Forward Voltage |
| HE Red | N/A | 1,120mcd | 2.0V |
| Green | N/A | 1,560mcd | 3.3V |
| Yellow | N/A | 1,120mcd | 2.0V |
| Orange | N/A | 1,120mcd | 2.2V |
| Luminous intensity will be reduced with lower operating current. | | | |

Note: The operating voltage must not be exceeded by more than 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.

Technical Drawings

PROMINENT BEZEL

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