

ENGLISH

Datasheet

RS Pro Recessed Indicator Panel Mount, 8mm Mounting Hole Size, Red LED, Lead Wires Termination, 5 mm Lamp Size, 12 V dc

RS Stock No: 204-063



Product Details

RS Pro recessed indicator with 8 mm mounting hole, features super bright red LEDs for panel mount applications. This indicator accommodates a lamp size of 5 mm and offers wires 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 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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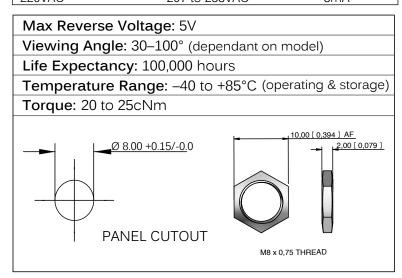
Specifications:

| Bezel Colour | Black Chrome |
|----------------------|------------------|
| Bezel Style | Recessed |
| Current Rating | 20 mA |
| Intensity | 5000 mcd |
| Lamp Size | 5 mm |
| Lamp Type | LED |
| Length | 28.5 mm |
| Light Output Colour | Red |
| Mounting Hole Size | 8 mm |
| Termination Type | Wires |
| Type | Panel Mount |
| Voltage Rating | 12 V dc |
| Temperature Rating | -40 to +85°C |
| Type of Illumination | Fixed Light |
| LED Colour | Super Bright Red |



| 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 | | | |

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| 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 |
| Ri-color - The color is changed by reversing the polarity of the supply voltage | | | |

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 |

| 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.

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* Customer to supply resistor for desired operating current.

Luminous intensity is measured at 20mA on a discrete LED unless otherwise stated.

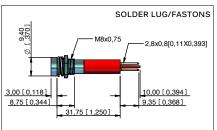
Luminous intensities and color shades of white LEDs may vary within a batch.

LED characteristics are dependent upon environmental conditions. Therefore published data should be considered nominal.

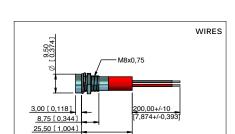


Technical Drawings

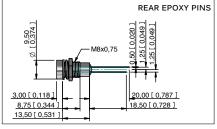
RECESSED BEZEL

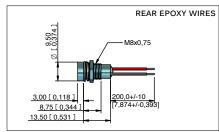






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-M8x0.75

PINS

0,50 [0,020] 1,25 [0,049] 1,25 [0,049]

8,00 [,315]

