

Datasheet

RS Pro Recessed Indicator Panel Mount, 8mm Mounting Hole Size, Red/Green/Yellow LED, Solder Tab Termination, 5 mm Lamp Size

RS Stock No: **206-148**



Product Details

RS Pro recessed indicator with 8 mm mounting hole, features red/yellow/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 2/2.1/2.2 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 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

**Specifications:**

| | |
|----------------------|---|
| Bezel Colour | Black Chrome |
| Bezel Style | Recessed |
| Current Rating | 20 mA |
| Intensity | 60 mcd (Red), 13 mcd (Yellow), 15 mcd (Green) |
| Lamp Size | 5 mm |
| Lamp Type | LED |
| Length | 34.75 mm |
| Light Output Colour | Red/Green/Yellow |
| Mounting Hole Size | 8 mm |
| Termination Type | Faston, Solder Lug |
| Type | Panel Mount |
| Voltage Rating | 2/2.1/2.2 V |
| Temperature Rating | -40 to +85°C |
| LED Colour | Red/Yellow/Green |
| Type of Illumination | Tri-Colour |



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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: 20 to 25cNm |

PANEL CUTOUT

M8 x 0,75 THREAD

| 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.

Technical Drawings

RECESSED BEZEL

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