

## Datasheet

# RS Pro Prominent Indicator Panel Mount, 22mm Mounting Hole Size, Yellow LED, Solder Tab Termination, 18 mm Lamp Size, 12 V dc

RS Stock No: **205-892**



## Product Details

RS Pro prominent indicator with 22 mm mounting hole, features yellow LEDs for panel mount applications. This indicator accommodates a lamp size of 18 mm and offers faston, 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 18 mm LED requires a 22 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

- 22 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         | Bright Chrome      |
| Bezel Style          | Prominent          |
| Current Rating       | 40 mA              |
| Intensity            | 60 mcd             |
| Lamp Size            | 18 mm              |
| Lamp Type            | LED                |
| Length               | 41.5 mm            |
| Light Output Colour  | Yellow             |
| Mounting Hole Size   | 22 mm              |
| Termination Type     | Faston, Solder Lug |
| Type                 | Panel Mount        |
| Voltage Rating       | 12 V dc            |
| Temperature Rating   | -40 to +85°C       |
| Type of Illumination | Fixed Light        |
| LED Colour           | Yellow             |



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| TECHNICAL SPECIFICATIONS |                                   |  |
|--------------------------|-----------------------------------|--|
| Voltage                  | Operating Voltage<br>(Min to Max) | Operating Current<br>(Typical All Types) |
| 05 (No Resistor)         | 3.3 to 9.9VDC                     | 40mA max*                                |
| 12VDC                    | 10.8 to 13.2VDC                   | 40mA                                     |
| 24VDC                    | 21.6 to 26.4VDC                   | 40mA                                     |
| 28VDC                    | 25.2 to 30.8VDC                   | 40mA                                     |
| 110VAC                   | 99 to 121VAC                      | 5mA                                      |
| 220VAC                   | 207 to 253VAC                     | 3mA                                      |

|  |
|--|
| <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> 100cNm  |
| <p>PANEL CUTOUT</p> <p>M22 x 1.0 THREAD</p>                  |

| Standard LED Intensity  | Prominent and Recessed | Flush       | Forward Voltage |
|---|------------------------|-------------|-----------------|
| HE Red  | 82mcd                  | 70mcd       | 5.7V            |
| Green   | 95mcd                  | 66mcd       | 6.0V            |
| Yellow  | 60mcd                  | 59mcd       | 5.9V            |
| Blue  | 120mcd                 | 101mcd      | 9.9V            |
| White   | 1,000mcd               | 150mcd      | 3.3V            |
| Bi-color (Typical) (Red/Green)  | 80/50mcd               | 80/50mcd    | 2.0V/2.2V       |
| Tri-color (Typical) (Red/Green/Yellow)  | 80/50/50mcd            | 80/50/50mcd | 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 (Diffused)   | Prominent and Recessed | Flush       | Forward Voltage |
| HE Red  | 465mcd                 | 800mcd      | 5.7V            |
| Green   | 245mcd                 | 980mcd      | 9.0V            |
| Yellow  | 365mcd                 | 1,250mcd    | 6.0V            |
| 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

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## PROMINENT BEZEL

