

## Datasheet

# RS Pro Prominent Indicator Panel Mount, 14mm Mounting Hole Size, Yellow LED, Faston, Solder Lug Termination, 10 mm Lamp Size

RS Stock No: **848-4608**



## Product Details

RS Pro prominent indicator with 14 mm mounting hole, features hyper bright yellow LEDs for panel mount applications. With an IP67 rating, it is suitable for most environments including outdoor applications. This indicator accommodates a lamp size of 10 mm and offers faston, solder lug termination. It has a voltage rating of 220 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 10 mm LED requires a 14 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

- 14 mm panel mounting LED indicator
- Coloured diffused epoxy lens or water clear super bright LEDs
- Prominent, recessed, chamfer and flush bezel styles
- Sealed to IP67
- Operating temperature range: -40 to +85°C

**Specifications:**

|                      |                     |
|----------------------|---------------------|
| Bezel Colour         | Bright Chrome       |
| Bezel Style          | Prominent           |
| Current Rating       | 3 mA                |
| Intensity            | 1300 mcd            |
| IP Rating            | IP67                |
| Lamp Size            | 10 mm               |
| Lamp Type            | LED                 |
| Length               | 38.5 mm             |
| Light Output Colour  | Yellow              |
| Mounting Hole Size   | 14 mm               |
| Termination Type     | Faston, Solder Lug  |
| Type                 | Panel Mount         |
| Voltage Rating       | 220 V ac            |
| Temperature Rating   | -40 to +85°C        |
| Type of Illumination | Fixed Light         |
| LED Colour           | Hyper Bright Yellow |



For DC Supply versions: gold colored contact is Anode (+)

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| TECHNICAL SPECIFICATIONS |                                   |                                          |
|--------------------------|-----------------------------------|------------------------------------------|
| Voltage                  | Operating Voltage<br>(Min to Max) | Operating Current<br>(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                                      |

|                                                              |
|--------------------------------------------------------------|
| <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> 75cNm                                         |

PANEL CUTOUT

M14 x 1.0 THREAD

| Standard LED Intensity                 | Prominent and Recessed | Flush       | Forward Voltage |
|----------------------------------------|------------------------|-------------|-----------------|
| HE Red                                 | 80mcd                  | 10mcd       | 2.0V            |
| Green                                  | 60mcd                  | 5mcd        | 2.2V            |
| Yellow                                 | 50mcd                  | 4mcd        | 2.1V            |
| Blue                                   | 540mcd                 | 100mcd      | 3.3V            |
| White                                  | 1000mcd                | 150mcd      | 3.3V            |
| Orange                                 | 80mcd                  | 200mcd      | 2.0V            |
| Bi-color (Typical) (Red/Green)         | 15/15mcd               | 14/10mcd    | 2.0V/2.2V       |
| Tri-color (Typical) (Red/Green/Yellow) | 60/50/50mcd            | 15/10/30mcd | 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           | 17,000mcd              | 2,000mcd | 2.2V            |
| Green            | 11,000mcd              | 680mcd   | 3.5V            |
| Yellow           | 4,000mcd               | 350mcd   | 2.3V            |
| Blue             | 2,500mcd               | 250mcd   | 3.3V            |
| White            | 4,400mcd               | 250mcd   | 3.3V            |
| Orange           | 2800mcd                | 300mcd   | 2.1V            |

| Hyper Bright LED | Prominent and Recessed | Flush  | Forward Voltage |
|------------------|------------------------|--------|-----------------|
| HE Red           | 2,800mcd               | 800mcd | 2.1V            |
| Green            | 2,200mcd               | 250mcd | 3.2V            |
| Yellow           | 1,300mcd               | 250mcd | 2.0V            |
| Orange           | 850mcd                 | 200mcd | 2.1V            |

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

## PROMINENT BEZEL

