

FEATURES

- Red indicator light
- Voltage of 220 V ac
- Mounting hole of 8mm
- LED (light-emitting diode) bulb
- Lamp size of 9.5 mm
- Solder lug termination
- IP67 so will resist dirt and water
- Chrome bezel
- Current of 3 mA
- Intensity of 980 mcd (millicandela)
- Length of 34.9 mm
- Coloured diffused epoxy lens or water clear super bright LEDs
- Operating temperature range: -40 to +85°C

RS PRO Red Indicator, 220 V ac, 8mm Mounting Hole Size, Solder Lug Termination, IP67

RS Stock No.: 846-2901



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

This hyper-bright RS PRO 220 V ac red panel indicator is made primarily for use with industrial equipment such as medical systems, telecommunications and special vehicles. This pack consists of a hardwearing LED (light-emitting diode) bulb with a 9.5 mm coloured epoxy lens and a chrome bezel. To help you install it, the kit includes a fixing nut and spring washer.

LEDs emit high levels of bright light, making them an ideal choice for darker environments, plus they last a long time and consume little electricity. This item needs an 8-mm mounting hole and is 34.9 mm long with a solder lug termination. It has a light intensity of 980 mcd (millicandela).

General Specifications

Light Output Colour	Red
Lamp Type	LED
Termination Type	Faston, Solder Lug
Type	Panel Mount
Bezel Style	Flush
Bezel Colour	Bright Chrome
Intensity	980mcd
Type of Illumination	Fixed Light
LED Colour	Hyper Bright Red
Viewing Angle	30°–100° (dependant on model)
Life Expectancy	100,000 hours
Applications	Industrial settings, including the food processing, transportation and marine industries

Electrical Specifications

Voltage Rating	220VAC
Current Rating	3mA

Mechanical Specifications

Mounting Hole Size	8mm
Length	34.9mm
Shape	Round
Lamp Size	9.5mm

Operation Environment Specifications

Temperature Rating	-40°C to 85°C
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Protection Category

IP Rating	IP67
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Approvals

Compliance/Certifications	RoHS Compliant
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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

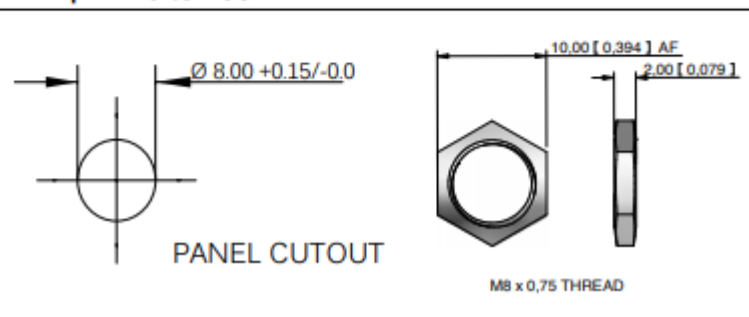
Max Reverse Voltage: 5V

Viewing Angle: 30–100° (dependant on model)

Life Expectancy: 100,000 hours

Temperature Range: –40 to +85°C (operating & storage)

Torque: 20 to 25cNm



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 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
FLUSH BEZEL

