

FEATURES

- Voltage of 2 V DC
- Green LED (light-emitting diode) indicator light
- Needs a 6 mm mounting hole
- Lens of 3 mm
- Lead wires
- IP67 rated so dirt and water-resistant
- Flush bezel
- Black chrome
- Current rating of 20mA
- Intensity of 8 mcd (millicandela)
- Length of 15.9 mm
- Coloured diffused epoxy lens or water clear super bright LEDs
- Operating temperature range: -40 to +85°C

RS PRO Green Indicator, 2 V dc, 6mm Mounting Hole Size, Lead Wires Termination, IP67

RS Stock No.: 700-1845



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 RS PRO 2 V dc green indicator is made primarily for use with industrial equipment such as switches and push-buttons. The pack includes a durable LED (light-emitting diode) bulb with a 3 mm coloured epoxy lens and a black chrome bezel that fits in flush with the surrounds. It comes with a fixing nut and spring washer for easy installation and lead wire terminations.

The long-lasting LED bulb has a life expectancy of 10,000 hours and offers 8 mcd (millicandela) light intensity. LEDs give high levels of brightness and consume little energy, making them a good choice for darker environments. This unit requires a mounting hole size of 6 mm and is 15.9 mm long.

General Specifications

Light Output Colour	Green
Lamp Type	LED
Termination Type	Lead Wires
Type	Panel Mount
Bezel Style	Flush
Bezel Colour	Black Chrome
Intensity	12mcd
Type of Illumination	Fixed Light
LED Colour	Green
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	2VDC
Current Rating	20mA

Mechanical Specifications

Mounting Hole Size	6mm
Length	15.9mm
Shape	Round
Lamp Size	3mm

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 3.8VDC	20mA max*
6VDC	5.4 to 6.6VDC	20mA
12VDC	10.8 to 13.2VDC	20mA
24VAC/DC	21.6 to 26.4VDC	20mA
28VDC	25.2 to 30.8VDC	20mA

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: 4cNm

Technical drawings showing dimensions for the indicator:

- Panel cutout diameter: $\varnothing 6.00 +0.15/-0.0$
- Mounting hole diameter: $8.00 [0.315] \text{ AF}$
- Mounting hole depth: $2.00 [0.079]$
- Thread: M6 x 0,50 THREAD

Standard LED Intensity	Prominent and Recessed	Flush	Forward Voltage
HE Red	40mcd	10mcd	2.0V
Green	50mcd	12mcd	2.2V
Yellow	30mcd	6mcd	2.1V
Blue	1,200mcd	100mcd	3.8V
White	1,200mcd	160mcd	3.8V
Orange	60mcd	10mcd	2.0V
Bi-color (Typical) (Red/Green)	20/15mcd	10/8mcd	2.0V/2.2V
The color is changed by reversing the polarity of the supply voltage.			
Super Bright LED	Prominent and Recessed	Flush	Forward Voltage
HE Red	1,000mcd	700mcd	2.2V
Green	1,200mcd	2,000mcd	3.5V
Yellow	2000mcd	8,000mcd	2.3V
Blue	1,600mcd	200mcd	3.3V
White	1,200mcd	350mcd	3.3V
Orange	10,000mcd	500mcd	2.2V
Hyper Bright LED	Prominent and Recessed	Flush	Forward Voltage
HE Red	3,700mcd	600mcd	2.2V
Green	2,000mcd	350mcd	3.2V
Yellow	1,200mcd	140mcd	2.0V
Orange	4,500mcd	400mcd	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.
 LED characteristics are dependent upon environmental conditions. Therefore published data should be considered nominal.

Technical Drawings

FLUSH BEZEL

