FEATURES

- **8 mm coloured diffused poly-carbonate lens**

- **Various voltages**

- **14 mm bright satin chrome bezel, Prominent**

- **Sunlight viewable**

- **Longevity and low power consumption**

RS PRO Red Indicator, 24 V ac/dc, 12mm Mounting Hole Size, Solder Tab Termination, IP67

RS Stock No.: 209-169

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

Brought to you by RS Pro, these indicators provide an excellent solution for warning and attention signals within relevant applications. With three colours available, red, yellow and green. A type of traffic light system can be applied to circuit boards or electrical designs in regards to operation or safety. Each LED indicator is rated at IP67, this means it will have great protection and be fully operational within indoor and outdoor applications. All models are highly reliable and excellent quality.

General Specifications

Light Output Colour	Red
Lamp Type	LED
Termination Type	Solder Tab
Type	Panel Mount
Bezel Style	Prominent
Bezel Colour	Black Chrome
Intensity	100mcd
Type Of Illumination	Fixed Light
LED Colour	Red
Viewing Angle	30-100°
Life Expectancy	100000hours
Applications	Fixed to PCB circuit boards mounted; Switches; Pushbuttons; Used as vehicle indicators

Electrical Specifications

Voltage Rating	24V ac/dc
Current Rating	20mA
Voltage Tolerance	10%

Mechanical Specifications

Mounting Hole Size	12mm
Length	56mm
Torque	75cNm
Lamp Size	8mm

Operation Environment Specifications

Temperature Rating	-40°C to 85°C

Protection Category

IP Rating	IP67

Approvals

Compliance/Certifications	EN61340

TECHNICAL SPECIFICATIONS

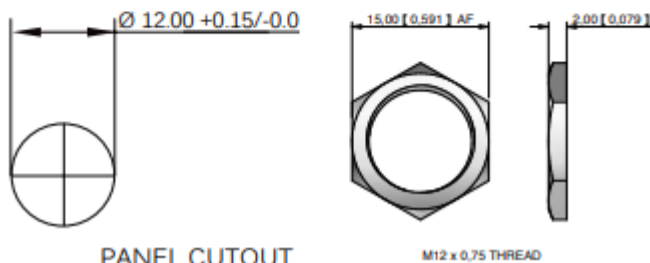| Voltage	Operating Voltage	Operating Current
	(Min to Max)	(Typical All Types)
02 (No Resistor)	1.8 to 3.3VDC	20mA max*
6VDC	5.4 to 6.6VDC	20mA
12VDC	10.8 to 13.2VDC	20mA
24VDC	21.6 to 26.4VDC	20mA
28VDC	25.2 to 30.8VDC	20mA
110VAC	99 to 121VAC	6mA
220VAC	207 to 253VAC	3mA

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: 75cNm

Ø 12.00 +0.15/-0.0   15.00 [0.591] AF   2.00 [0.079]

PANEL CUTOUT   M12 x 0.75 THREAD

Standard LED Intensity	Prominent and Recessed	Flush	Forward Voltage
HE Red	350mcd	N/A	2.0V
Green	60mcd	N/A	2.2V
Yellow	50mcd	N/A	2.1V
Blue	800mcd	N/A	3.3V
Blue	N/A	330mcd	3.1V
White	1,200mcd	N/A	3.3V
White	N/A	2,180mcd	3.1V
Orange	100mcd	N/A	2.0V
Bi-color (Typical) (Red/Green)	20/10mcd	N/A	2.0V/2.2V
Tri-color (Typical) (Red/Green/Yellow)	80/15/13mcd	N/A	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	3,000mcd	N/A	2.2V
Green	8,000mcd	N/A	3.3V
Yellow	1,100mcd	N/A	2.3V
Blue	1,500mcd	N/A	3.3V
White	1,200mcd	N/A	3.3V
Orange	2,000mcd	N/A	2.2V

Hyper Bright LED	Prominent and Recessed	Flush	Forward Voltage
HE Red	N/A	1,120mcd	2.0V
Green	N/A	1,560mcd	3.3V
Yellow	N/A	1,120mcd	2.0V
Orange	N/A	1,120mcd	2.2V
Luminous intensity will be reduced with lower operating current.			

Indicators

PROMINENT BEZEL

SOLDER LUG/FASTONS

M12x0,75

2,8x0,8[0.11x0,031]

Ø 13,50 [0,531]

4,50 [0,177]
8,75 [0,344]
31,75 [1,250]
10,00 [0,394]
9,35 [0,368]

PINS

M12x0,75

Ø 13,50 [0,531]

0,50 [0,020]
2,00 [0,078]
2,00 [0,078]

4,50 [0,177]
8,75 [0,344]
27,50 [1,083]
6,00 [0,236]
4,50 [0,177]

WIRES

M12x0,75

13,50 [0,531]

4,50 [0,177]
8,75 [0,344]
27,50 [1,083]
200,0+/-10
[7,874+/-0,393]

REAR EPOXY PINS

M12x0,75

Ø 13,50 [0,531]

0,50 [0,020]
1,25 [0,049]
1,25 [0,049]

4,50 [0,177]
8,75 [0,344]
13,50 [0,531]
20,00 [0,787]
18,50 [0,728]

SHORT BODY PINS

M12x0,75

Ø 13,50 [0,531]

0,50 [0,020]
1,25 [0,001]
1,25 [0,049]

4,50 [0,177]
8,75 [0,344]
16,00 [0,630]
17,50 [0,689]
16,00 [0,630]

SHORT BODY WIRES

M12x0,75

Ø 13,50 [0,531]

4,50 [0,177]
8,75 [0,344]
16,00 [0,629]
200,0+/-10
[7,874+/-0,393]

REAR EPOXY WIRES

M12x0,75

Ø 13,50 [0,531]

4,50 [0,177]
8,75 [0,344]
13,50 [0,531]
200,0+/-10
[7,874+/-0,393]