Datasheet

RS Pro Prominent Indicator Panel Mount, 12mm Mounting Hole Size, Yellow LED, Lead Pins Termination, 8 mm Lamp Size, 2 V dc

RS Stock No: **211-960**

Product Details

RS Pro prominent indicator with 12 mm mounting hole, features yellow LEDs for panel mount applications. This indicator accommodates a lamp size of 8 mm and offers lead pin termination. It has a voltage rating of 2.1 V. The indicator has a wide operating temperature range of -40 to +85°C, further increasing the potential applications they may be used for. The 8 mm LED requires a 12 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

• 12 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	20 mA
Intensity	50 mcd
Lamp Size	8 mm
Lamp Type	LED
Length	32 mm
Light Output Colour	Yellow
Mounting Hole Size	12 mm
Termination Type	Pins
Type	Panel Mount
Voltage Rating	2.1 V
Temperature Rating	-40 to +85°C
Type of Illumination	Fixed Light
LED Colour	Yellow

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: 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

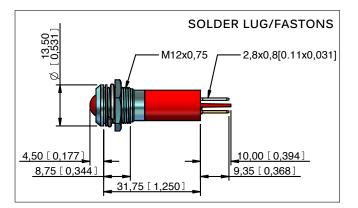| Hyper Bright LED	Prominent and Recessed	Flush	Forward Voltage
HE Red	N/A	1,120mcd	2.0V
Green	N/A	1,560mcd	3.3V
Yellow	N/A	1,120mcd	2.0V
Orange	N/A	1,120mcd	2.2V
Luminous intensity will be reduced with lower operating current.			

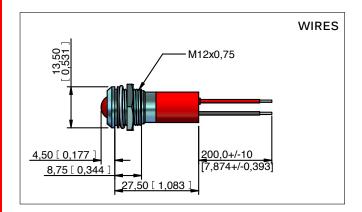Note: The operating voltage must not be exceeded by more that 10% as this will result in reduced life expectancy.
 The company reserves the right to change specifications without notice.
* Customer to supply resistor for desired operating current.
Luminous intensity is measured at 20mA on a discrete 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.
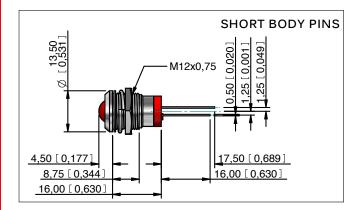
Technical Drawings

PROMINENT BEZEL

SOLDER LUG/FASTONS

13,50 [0,531]
Ø
M12x0,75   2,8x0,8[0.11x0,031]
4,50 [0,177]
8,75 [0,344]
31,75 [1,250]
10,00 [0,394]
9,35 [0,368]

PINS

13,50 [0,531]
Ø
M12x0,75
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

13,50 [0,531]
M12x0,75
4,50 [0,177]
8,75 [0,344]
27,50 [1,083]
200,0+/-10
[7,874+/-0,393]

REAR EPOXY PINS

13,50 [0,531]
Ø
M12x0,75
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

13,50 [0,531]
Ø
M12x0,75
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

13,50 [0,531]
Ø
M12x0,75
4,50 [0,177]
8,75 [0,344]
16,00 [0,629]
200,0+/-10
[7,874+/-0,393]

REAR EPOXY WIRES

13,50 [0,531]
Ø
M12x0,75
4,50 [0,177]
8,75 [0,344]
13,50 [0,531]
200,0+/-10
[7,874+/-0,393]