Datasheet

RS Pro Prominent Indicator Panel Mount, 8mm Mounting Hole Size, Red LED, Solder Tab Termination, 5 mm Lamp Size, 12 V ac

RS Stock No: **210-591**

Product Details

RS Pro prominent indicator with 8 mm mounting hole, features super bright red LEDs for panel mount applications. This indicator accommodates a lamp size of 5 mm and offers faston, solder lug termination. It has a voltage rating of 12 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 5 mm LED requires an 8 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

• 8 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	Black Chrome
Bezel Style	Prominent
Current Rating	20 mA
Intensity	5000 mcd
Lamp Size	5 mm
Lamp Type	LED
Length	33.85 mm
Light Output Colour	Red
Mounting Hole Size	8 mm
Termination Type	Faston, Solder Lug
Type	Panel Mount
Voltage Rating	12 V ac
Temperature Rating	-40 to +85°C
Type of Illumination	Fixed Light
LED Colour	Super Bright Red

TECHNICAL SPECIFICATIONS

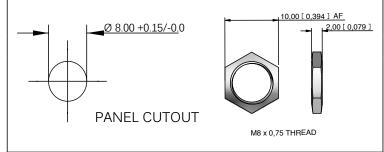| Voltage	Operating Voltage (Min to Max)	Operating Current (Typical All Types)
02 (No Resistor)	1.8 to 3.3VDC	20mA max*
6VDC	5.4 to 6.6VDC	20mA
12VDC	10.8 to 13.2VDC	20mA
24VDC	21.6 to 26.4VDC	20mA
28VDC	25.2 to 30.8VDC	20mA
110VAC	99 to 121VAC	6mA
220VAC	207 to 253VAC	3mA

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

Ø 8.00 +0.15/-0.0

PANEL CUTOUT

10,00 [0,394] AF

2,00 [0,079]

M8 x 0,75 THREAD

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 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.
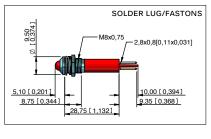
Technical Drawings

PROMINENT BEZEL

SOLDER LUG/FASTONS

M8x0,75
2,8x0,8[0,11x0,031]
9.50 [0,374]
5.10 [0,201]
8.75 [0,344]
28.75 [1,132]
10,00 [0,394]
9,35 [0,368]

PINS

M8x0,75
9.50 [0,374]
0,50 [0,020]
1,25 [0,049]
1,25 [0,049]
5.10 [0,201]
8.75 [0,344]
22,50 [0,886]
8,00 [0,315]
6,50 [0,256]

WIRES

M8x0,75
9.50 [0,374]
5.10 [0,201]
8.75 [0,344]
22,50 [0,886]
200,0+/-10 [7,874+/-0,393]

REAR EPOXY PINS

M8x0,75
9.50 [0,374]
0,50 [0,020]
1,25 [0,049]
1,25 [0,049]
5.10 [0,201]
8.75 [0,344]
10,50 [0,413]
20,88 [0,822]
19,38 [0,763]

REAR EPOXY WIRES

M8x0,75
9.50 [0,374]
5.10 [0,201]
8.75 [0,345]
10,50 [0,413]
200,0 +/-10 [7,874 +/-0,393]

SHORT BODY PINS

M8x0,75
9.50 [0,374]
0,50 [0,020]
1,25 [0,049]
1,25 [0,049]
5.10 [0,201]
8.75 [0,344]
12,50 [0,492]
18,00 [0,709]
16,50 [0,650]

SHORT BODY WIRES

M8x0,75
9.50 [0,374]
5.10 [0,201]
8.75 [0,344]
12,50 [0,492]
200,0 +/-10 [7,874+/-0,393]

SHORT BODY SOLDER LUG/FASTONS

M8x0,75
2,8x0,8 [0,11x0,031]
9.50 [0,374]
5.10 [0,201]
8.75 [0,344]
12,50 [0,492]
10,00 [0,394]
9,35 [0,009]

EXTENDED SHORT BODY SOLDER LUG/FASTONS

2,8x0,5[0,11x0,019]
M8x0,75
9.50 [,374]
5.10 [0,201]
8.75 [0,344]
15,50 [0,610]
10,00 [0,394]
9,35 [0,368]