Datasheet

RS Pro Prominent Indicator LED wires Panel Mount, 14mm Mounting Hole Size, Red/Green/Yellow LED, Lead Wires Termination
RS Stock No: **722-7451**

Product Details

RS Pro prominent indicator with 14 mm mounting hole, features red/yellow/green LEDs for panel mount applications. With an IP67 rating, it is suitable for most environments including outdoor applications. This indicator accommodates a lamp size of 10 mm and offers wires termination. It has a voltage rating of 24 V dc. The indicator has a wide operating temperature range of -40 to +85°C, further increasing the potential applications they may be used for. The 10 mm LED requires a 14 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
- 14 mm panel mounting LED indicator
- Coloured diffused epoxy lens or water clear super bright LEDs
- Prominent, recessed, chamfer and flush bezel styles
- Sealed to IP67
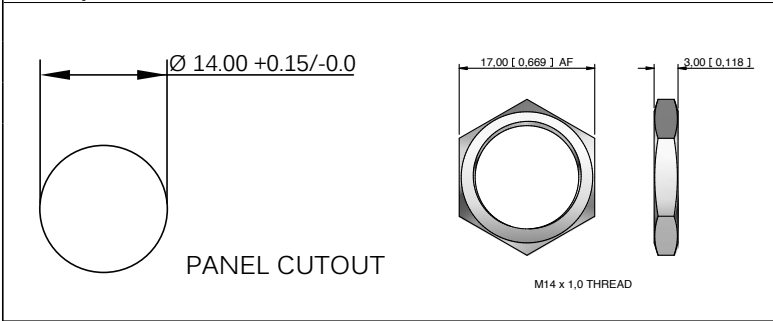- Operating temperature range: -40 to +85°C

Specifications:

Bezel Colour	Black Chrome
Bezel Style	Prominent
Current Rating	20 mA
Intensity	60 mcd (Red), 50 mcd (Yellow), 50 mcd (Green)
IP Rating	IP67
Lamp Size	10 mm
Lamp Type	LED
Length	24.5 mm
Light Output Colour	Red/Green/Yellow
Mounting Hole Size	14 mm
Termination Type	Wires
Type	Panel Mount
Voltage Rating	24 V dc
Temperature Rating	-40 to +85°C
LED Colour	Red/Yellow/Green
Type of Illumination	Tri-Colour

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 14.00 +0.15/-0.0

PANEL CUTOUT

17,00 [0,669] AF   3,00 [0,118]

M14 x 1,0 THREAD

Standard LED Intensity	Prominent and Recessed	Flush	Forward Voltage
HE Red	80mcd	10mcd	2.0V
Green	60mcd	5mcd	2.2V
Yellow	50mcd	4mcd	2.1V
Blue	540mcd	100mcd	3.3V
White	1000mcd	150mcd	3.3V
Orange	80mcd	200mcd	2.0V
Bi-color (Typical) (Red/Green)	15/15mcd	14/10mcd	2.0V/2.2V
Tri-color (Typical) (Red/Green/Yellow)	60/50/50mcd	15/10/30mcd	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	17,000mcd	2,000mcd	2.2V
Green	11,000mcd	680mcd	3.5V
Yellow	4,000mcd	350mcd	2.3V
Blue	2,500mcd	250mcd	3.3V
White	4,400mcd	250mcd	3.3V
Orange	2800mcd	300mcd	2.1V

Hyper Bright LED	Prominent and Recessed	Flush	Forward Voltage
HE Red	2,800mcd	800mcd	2.1V
Green	2,200mcd	250mcd	3.2V
Yellow	1,300mcd	250mcd	2.0V
Orange	850mcd	200mcd	2.1V

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

Ø 16,00 [0,630]
M14x1,0
2,8x0,8[0,11x0,031]
4,75 [0,187]
13,50 [0,531]
33,75 [1,329]
10,00 [0,394]
9,35 [0,368]

PINS

Ø 16,00 [0,630]
M14x1,0
0,50 [0,020]
1,25 [0,049]
1,25 [0,049]
4,75 [0,187]
13,50 [0,531]
28,75 [1,132]
7,00 [0,276]
5,50 [0,217]

WIRES

Ø 16,00 [0,630]
M14x1,0
4,75 [0,187]
13,50 [0,531]
28,75 [1,132]
200,0+/-10 [7,874+/-0,393]

REAR EPOXY PINS

Ø 16,00 [0,630]
M14x1,0
0,50 [0,020]
1,25 [0,049]
1,25 [0,049]
4,75 [0,187]
13,50 [0,531]
17,50 [0,689]
18,25 [0,719]
16,75 [0,659]

SHORT BODY PINS

Ø 16,00 [0,630]
M14x1,0
0,50 [0,020]
1,25 [0,049]
1,25 [0,049]
4,75 [0,187]
13,50 [0,531]
19,75 [0,778]
16,00 [0,630]
14,50 [0,571]

SHORT BODY WIRES

Ø 16,00 [0,630]
M14x1,0
4,75 [0,187]
13,50 [0,531]
19,75 [0,778]
200,0+/-10 [7,874+/-0,393]

REAR EPOXY WIRES

Ø 16,00 [0,630]
M14x1,0
4,75 [0,187]
13,50 [0,532]
17,50 (0,689)
200,0+/-10 [7,874+/-0,393]