Ø8 mm panel mount LED indicators

DISTINCTIVE FEATURES

5mm colored diffused epoxy lens or 5 mm water clear super bright LEDs

Prominent, recessed and flush bezel styles

(2.8 x 0.8) solder lug/faston terminals, pins or (200 mm long) wire terminations (2.0 x 0.5) solder lug/faston terminals on tri-color versions



140-08-1801

ENVIRONMENTAL SPECIFICATIONS

• IP67 sealing option (EN60529)

• Operating & Storage Temperature Range: Rear plastic body: -30 °C to +65 °C (-22 °F to +149 °F) Rear epoxy body: -40 °C to +85 °C (-40 °F to +185 °F)



GENERAL SPECIFICATIONS

- Max Reverse Voltage: 5 V
- Viewing Angle: 30–100° (dependant on model)
- Life Expectancy: 100,000 hours
- Torque: 20 to 25 cNm
- Maximum panel thickness 7 mm

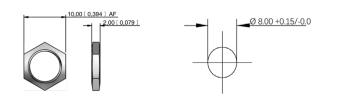


MATERIALS

• Plated brass bezel finished in bright chrome, black or satin grey and moulded polycarbonate rear body



MOUNTING



The company reserves the right to change specifications without notice.

All LED characteristics are dependent upon environmental conditions. Therefore published data should be considered nominal and subject to variations.





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(4)

) ELECTRICAL SPECIFICATIONS

STANDARD LED INTENSITY						
LED COMPONENT SPECIFICATIONS						
	Prominent and Recessed	Flush	Forward Voltage			
HE Red	80 mcd	8 mcd	2.0 V			
Green	60 mcd	6 mcd	2.2 V			
Yellow	50 mcd	6 mcd	2.1 V			
Blue	1,600 mcd	50 mcd	3.3 V			
White	1,600 mcd	500 mcd	3.3 V			
Orange	60 mcd	110 mcd	2.2 V			
Bi-color (Typical) (Red/Green)	14/30 mcd	15/10 mcd	2.0V/2.2 V			
Tri-color (Typical) (Red/Green/Yellow)	60/15/13 mcd	15/10/6 mcd	2.0 V/2.2 V/2.1 V			

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.

Voltage	Operating Voltage	Operating Current	
	(Min to Max)	(Typical All Types)	
02 (No Resistor)*	1.8 to 3.3 VDC	20 mA max	
6 VDC	5.4 to 6.6 VDC	20 mA	
12 VDC	10.8 to 13.2 VDC	20 mA	
24 VDC	21.6 to 26.4 VDC	20 mA	
28 VDC	25.2 to 30.8 VDC	20 mA	
110 VAC	99 to 121 VAC	6 mA	
220 VAC	207 to 235 VAC	3 mA	

* Customer to supply resistor for desired operating current.

SUPER BRIGHT LED INTENSITY

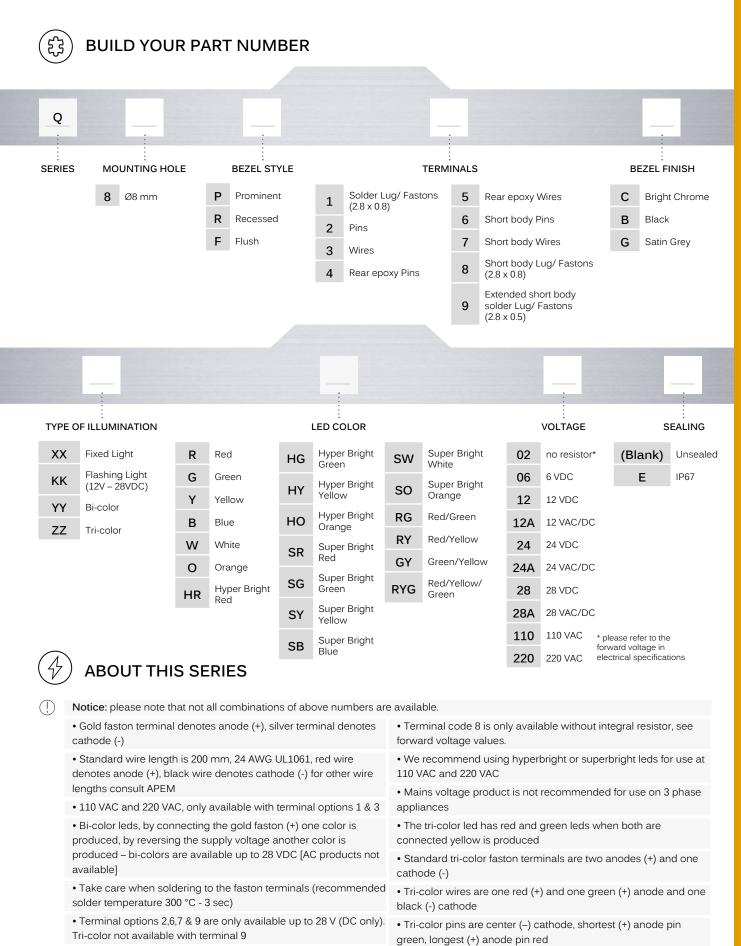
LED COMPONENT SPECIFICATIONS					
	Prominent and Recessed	Flush	Forward Voltage		
HE Red	5,000 mcd	1,300 mcd	2.2 V		
Green	10,000 mcd	1,200 mcd	3.3 V		
Yellow	4,000 mcd	350 mcd	2.0 V		
Blue	2,200 mcd	280 mcd	3.3 V		
White	2,500 mcd	950 mcd	3.3 V		
Orange	4,000 mcd	500 mcd	2.2 V		

HYPER BRIGHT LED INTENSITY

LED COMPONENT SPECIFICATIONS					
	Prominent and Recessed	Flush	Forward Voltage		
HE Red	6,000 mcd	980 mcd	2.2 V		
Green	1,900 mcd	300 mcd	3.3 V		
Yellow	1,600 mcd	250 mcd	2.0 V		
Orange	2,400 mcd	110 mcd	2.2 V		

- The operating voltage must not be exceeded by more that 10% as this will result in reduced life expectancy
- Luminous intensity is measured at 20 mA on a discrete led unless otherwise stated.
- Luminous intensities and color shades of white LEDs may vary within a batch.
- Luminous intensity will be reduced with lower operating current.

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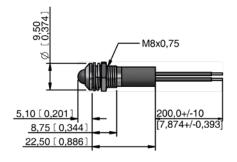
A D E N

Ø8 mm panel mount LED indicators

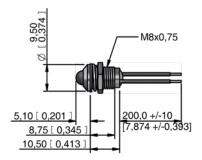
PROMINENT BEZEL



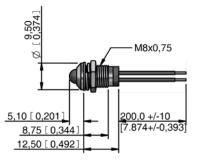
WIRES



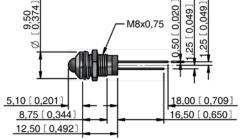
REAR EPOXY WIRES



SHORT BODY WIRES

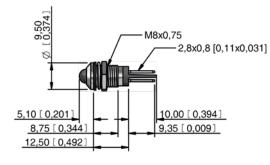


SOLDER LUG/FASTON 9,50 0,374] M8x0,75 2,8x0,8[0,11x0,031] 5,10 [0,201] 10,00 [0,394] 9,35 [0,368] <u>8,75 [0,344</u> 28,75 [1,132] PINS 9,50 0,374] 0,020 ,25 [0,049] 25 [0,049] M8x0,75 50 6 5,10 [0,201] 8,00 [0,315] 8,75 [0,344 6,50 [0,256] 22,50 [0,886 REAR EPOXY PINS 9,50 0,374] 0,020 0.049 0.049 M8x0,75 20 25 6 5,10 [0,201] 20,88 [0,822] 8,75 [0,344 19,38 [0,763] 10,50 [0,413] SHORT BODY PINS



Ø8 mm panel mount LED indicators

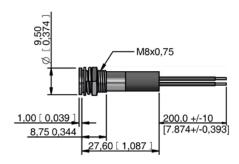




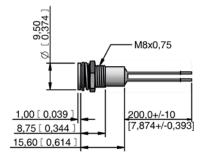
FLUSH BEZEL

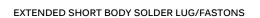


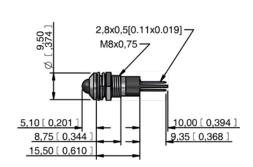
WIRES



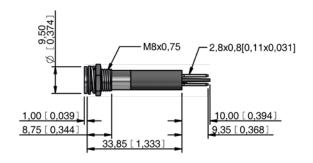
REAR EPOXY WIRES



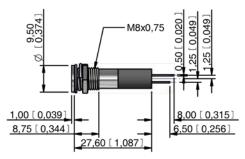




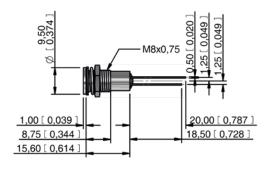
SOLDER LUG/FASTON



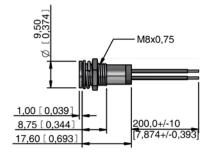




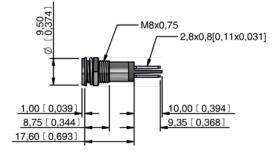
REAR EPOXY PINS

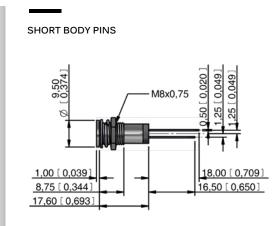


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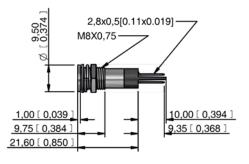


SHORT BODY SOLDER LUG/FASTONS





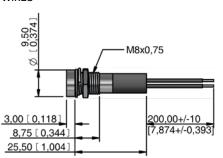
EXTENDED SHORT BODY SOLDER LUG/FASTONS



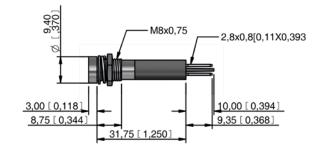
RECESSED BEZEL



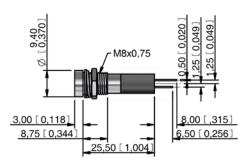
WIRES



SOLDER LUG/FASTON

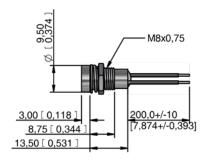


PINS

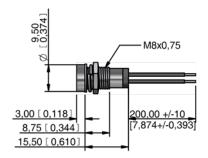


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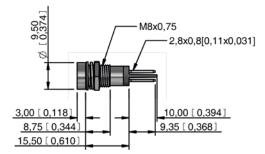
RECESSED BEZEL (CONTINUED) REAR EPOXY WIRES



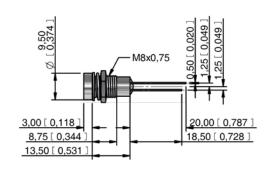
SHORT BODY WIRES



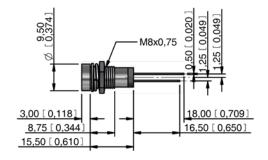
SHORT BODY SOLDER LUG/FASTONS



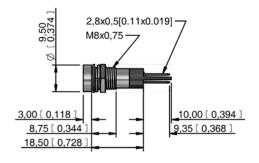
REAR EPOXY PINS



SHORT BODY PINS



EXTENDED SHORT BODY SOLDER LUG/FASTONS



APEM

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Apem:

Q8F1BXXB110E Q8F1BXXB12E Q8F1BXXB24E Q8F1BXXG110E Q8F1BXXG12E Q8F1BXXG24E Q8F1BXXR110E Q8F1BXXR12E Q8F1BXXR24E Q8F1BXXW110E Q8F1BXXW12E Q8F1BXXW24E Q8F1BXXY110E Q8F1BXXY12E Q8F1BXXY24E Q8F7BXXR02E Q8P3BXXG02 Q8P3BXXG24 Q8P3BXXR24 Q8P7BXXR12E-SP Q8P1CXXSR110 Q8P1CXXSG110 311 Q8F8BXXSG02E Q8P3BXXY12E Q8F7BXXG24E Q8F3BXXR24E Q8P7BXXG02E Q8P3BXXG12E Q8F3BXXG12E Q8F3CXXB12E Q8F7BXXG02E Q8F3BZZRYG12E Q8F3CXXR24E Q8F3BXXB24E Q8F3CXXG12E Q8F3CXXR12E Q8F7BXXG02E Q8F3CXXG24E Q8F3BXXR12E Q8P3BXXY24E Q8F1BXXG02E Q8F7CZZRYG02E Q8F1BZZRYG12E Q8F3BXXR24E Q8F3BXXR12E Q8P3BXXY24E Q8F1BXXG02E Q8F7CZZRYG02E Q8F1BZZRYG12E Q8F3BXXB24EX0238 Q8F3BXXG02E Q8P7CXXSB12E Q8F1BXXSG110E Q8F1BXXY02E Q8F1BXXR02E Q8F3BXXSY220E Q8P6BYYRG28E Q8P1BXXG28E Q8P1BXXY28E Q8P1BXXR28E Q8F3BXXW24E Q8F1BXXR28 Q8R5BZZRYG02E Q8R5GZZRYG02E