Ø6 mm panel mount LED indicators

DISTINCTIVE FEATURES

3 mm colored diffused epoxy lens or 3 mm water clear super bright LEDs

Prominent, recessed and flush bezel styles

(2.0 x 0.5) solder lug terminals, pins or (200 mm long) wire terminations, other lengths available on request



140-06-2100

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: 4 cNm
- Maximum panel thickness 7 mm
- Insulation resistance : 4,000 M Ω at 500 VDC

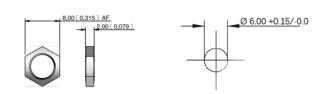


MATERIALS

• 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 subjet to variations.





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(4)

) ELECTRICAL SPECIFICATIONS

STANDARD LED INTENSITY

LED COMPONENT SPECIFICATIONS				
	Prominent and Recessed	Flush	Forward Voltage	
HE Red	40 mcd	10 mcd	2.0 V	
Green	50 mcd	12 mcd	2.2 V	
Yellow	30 mcd	6 mcd	2.1 V	
Blue	1,200 mcd	100 mcd	3.8 V	
White	1,200 mcd	160 mcd	3.8 V	
Orange	60 mcd	10 mcd	2.0 V	
Bi-color (Typical) (Red/Green)	20/15 mcd	10/8 mcd	2.0 V/2.2V	

Bi-color - The color is changed by reversing the polarity of the supply voltage.

SUPER BRIGHT LED INTENSITY

LED COMPONENT SPECIFICATIONS				
	Prominent and Recessed	Flush	Forward Voltage	
HE Red	1,000 mcd	700 mcd	2.2 V	
Green	1,200 mcd	2,000 mcd	3.5 V	
Yellow	2,000 mcd	4,200 mcd	2.3 V	
Blue	1,600mcd	200 mcd	3.3 V	
White	1,200 mcd	1560 mcd	3.3 V	
Orange	10,000 mcd	500 mcd	2.2 V	

HYPER BRIGHT LED INTENSITY

LED COMPONENT SPECIFICATIONS				
Prominent and Recessed	Flush	Forward Voltage		
3,700 mcd	600 mcd	2.2 V		
2,000 mcd	350 mcd	3.2 V		
1,200 mcd	140 mcd	2.0 V		
4,500 mcd	400 mcd	2.2 V		
	Prominent and Recessed 3,700 mcd 2,000 mcd 1,200 mcd	Prominent and RecessedFlush3,700 mcd600 mcd2,000 mcd350 mcd1,200 mcd140 mcd		

- The operating voltage must not be exceeded by more than 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.

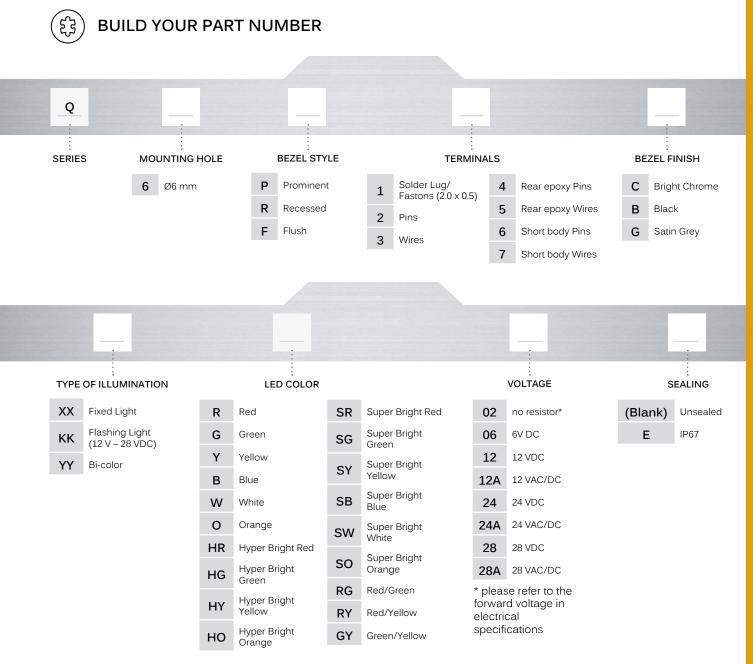
Operating Voltage	Operating Current
(Min to Max)	(Typical All Types)
1.8 to 3.3 VDC	20 mA max*
5.4 to 6.6 VDC	20 mA
10.8 to 13.2 VDC	20 mA
21.6 to 26.4 VDC	20 mA
25.2 to 30.8 VDC	20 mA
	(Min to Max) 1.8 to 3.3 VDC 5.4 to 6.6 VDC 10.8 to 13.2 VDC 21.6 to 26.4 VDC

* Customer to supply resistor for desired operating current.

ADDITIONNAL INFORMATION ON LED COMPONENTS

- Recommended usage:
- Standard: Homogenous light output that is good for indoor applications.
- Hyper Bright: Homogenous light output that is
- good for outside viewing and is daylight visible. - Super Bright: A water clear LED that is good for
- long distance viewing and is daylight visible.

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ABOUT THIS SERIES

Notice: please note that not all combinations of above numbers are available.

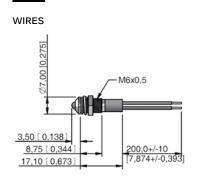
- Gold faston terminal denotes anode (+), silver terminal denotes cathode (-)
- Standard wire length is 200 mm, 24 AWG UL1061, red wire denotes anode (+), black wire denotes cathode (-) for other wire lengths consult APEM.
- For LEDs with alternative voltages consult APEM
- Bi-color leds, by connecting the gold solder lug (+) one color is produced, by reversing the supply voltage another color is produced bi-colors are available up to 28 V in DC only.
- Take care when soldering to the faston terminals (recommended solder temperature 300 °C - 3 sec)
- Body options 2, 4 and 6 are only available without integral resistor (02).
 - Short body wires are only available up to 28 VDC.

VDEN

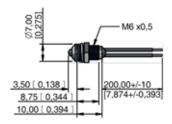
Ø6 mm panel mount LED indicators

PROMINENT BEZEL

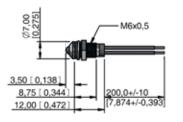


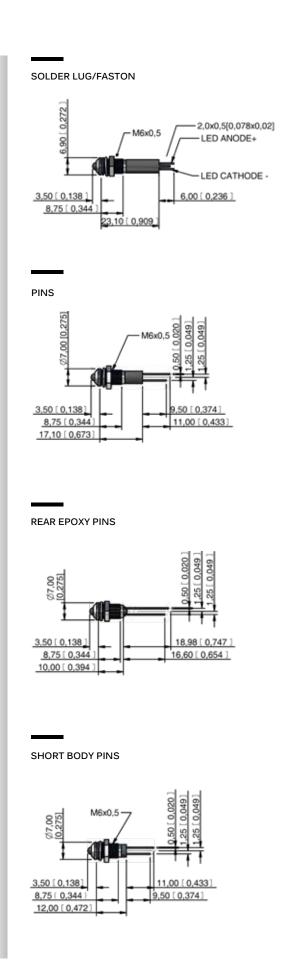


REAR EPOXY WIRES



SHORT BODY WIRES



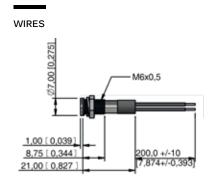


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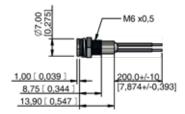
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FLUSH BEZEL

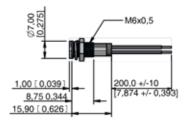


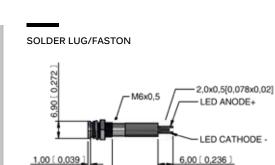


REAR EPOXY WIRES

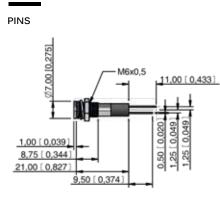


SHORT BODY WIRES



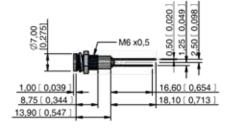


27.00 [1,063

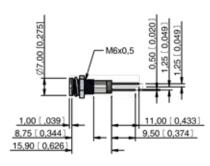


REAR EPOXY PINS

8,75 [0,344



SHORT BODY PINS

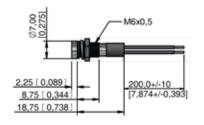


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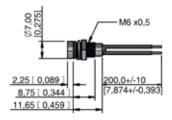
RECESSED BEZEL



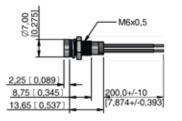
WIRES



REAR EPOXY WIRES



SHORT BODY WIRES

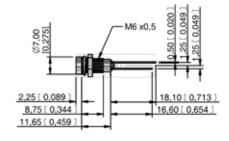


6,90 [0,272] 2,0x0,5[0,078x0,02] M6x0.5 LED ANODE+ LED CATHODE -6,00 [0,236] 2,25 [,089 8,75 [0,344 24,75 [0,974 PINS 27,00[0,275] 0,020 0,049 M6x0.5 20 B 2,25 [0,089] 11,00 [0,433] 8,75 [0,344] 9,50 [0,374] 18,75 [0,738]

25 [0,049

SOLDER LUG/FASTON

REAR EPOXY PINS



SHORT BODY PINS

