

DUAL ICON series

Ø14 mm panel mount LED indicators



DISTINCTIVE FEATURES

- 2.8 x 0.8 solder fastons terminals
- 3x 200mm length wire terminations
- Custom designs available
- Bi colour layout



ENVIRONMENTAL SPECIFICATIONS

- IP67 sealing (EN60529)
- Operating & storage temperature range: -30°C to +65°C (-22°F to +149°F)
- Relative humidity: 504h, 85%, 65°C, BS EN 60068-2-78:2013 Test Cab



GENERAL SPECIFICATIONS

- Max reverse voltage: 5V
- Viewing angle: 120°
- Life expectancy: 100,000 hours
- Tightening torque: 35cNm ± 0.5
- Max panel thickness: 7mm
- Insulation resistance: 4,000 MΩ at 500 VDC
- Salt spray: 48 hours with 5% solution BS EN 60068-2-11:1999
- Shock resistance: 50g 6ms half sine pulse

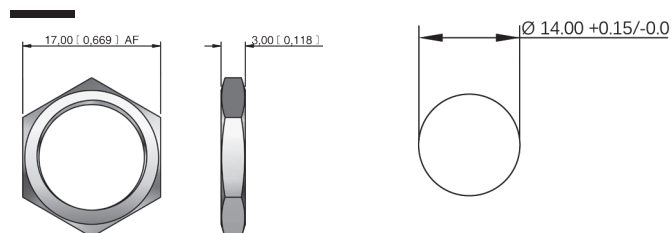


MATERIALS

- Plated brass bezel in Black E-coat with D-cut on fixed side.



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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ELECTRICAL SPECIFICATIONS

STANDARD LED INTENSITY

LED COMPONENT SPECIFICATIONS			
		Flush	Forward Voltage
Bi-colour (Red/Green)	Red	1000mcd	1.8V
	Green	2800mcd	2.7V

RGB LED INTENSITY

ITEM	SYMBOL	CONDITION	TYP.
DC Forward Voltage	V _F (R)	IF=20 mA	1.8
	V _F (B/G)	IF=20 mA	2.7
Luminous Intensity	I _v (Red)		530 mcd
	I _v (Green)		1800 mcd
	I _v (Blue)		350 mcd

Voltage	Operating Voltage	Operating Current
	(Min to Max)	(Typical All Types)
12 VDC	10.3 to 14.1 VDC	20 mA

ADDITIONAL INFORMATION ON LED COMPONENTS

The operating voltage must not be exceeded by more than 10% as this will result in reduced life expectancy

Our regulatory declarations & certifications

In accordance with its QHSE policy and its values, the APEM group applies the most demanding environmental regulations.

- UL Recognition

- REACH & ROHS

- Parc tested

- IP67

- LVD (BS EN 60838 :2017+A11 :2021)*

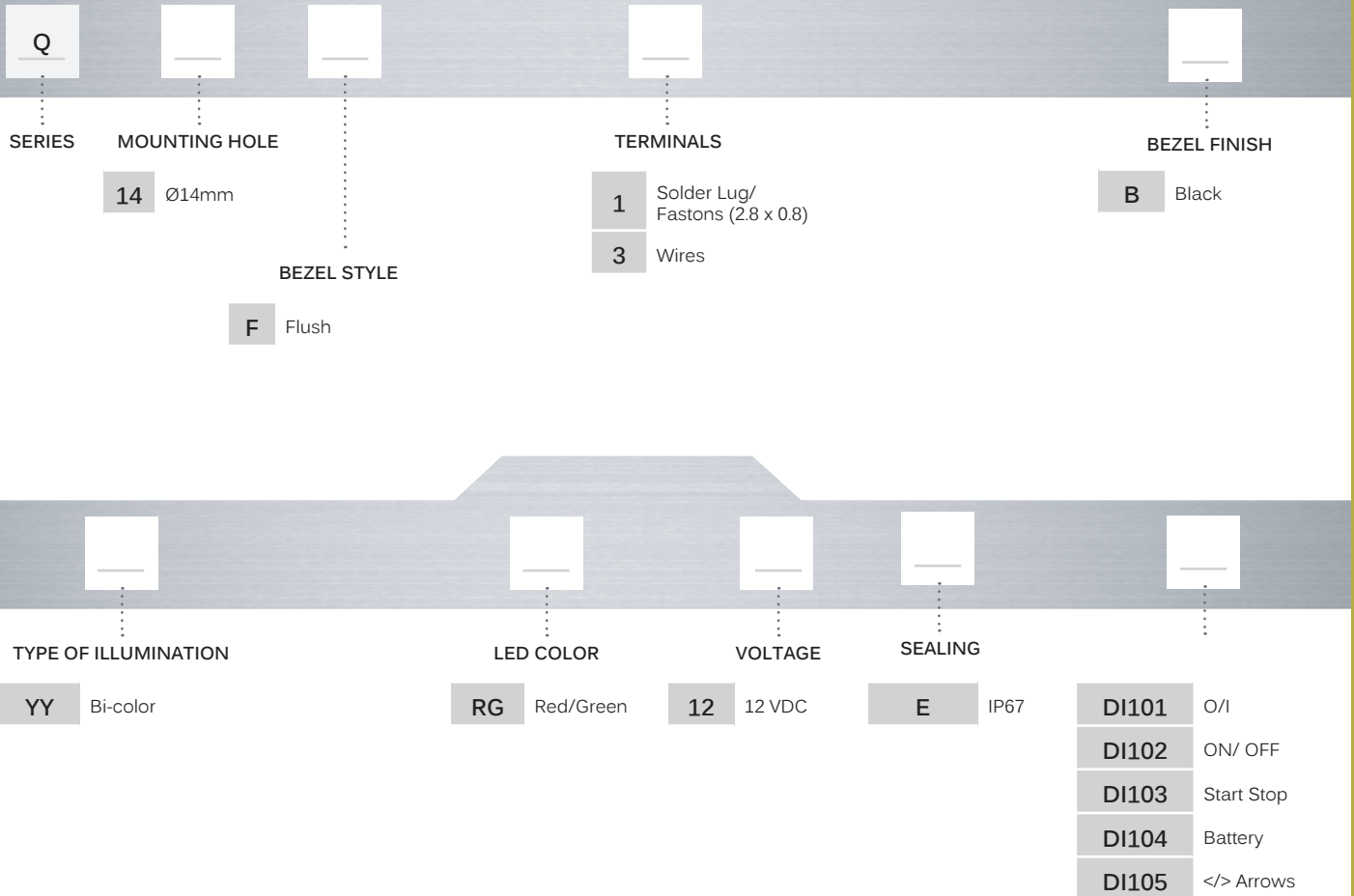
*Awareness to possible high level of moisture conditions

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BUILD YOUR PART NUMBER



ABOUT THIS SERIES



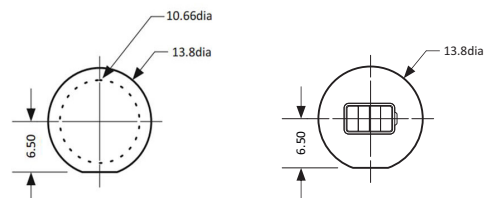
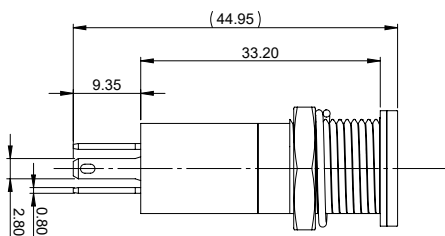
Notice:

- Gold faston terminal denotes anode (+), silver terminal denotes cathode (-)
- For LEDs with alternative voltages and multi-voltage options consult APEM
- Take care when soldering to the faston terminals (recommended solder temperature 300 °C - 3 sec)

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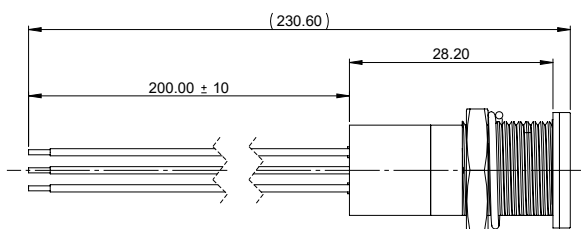
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FASTON TERMINAL:

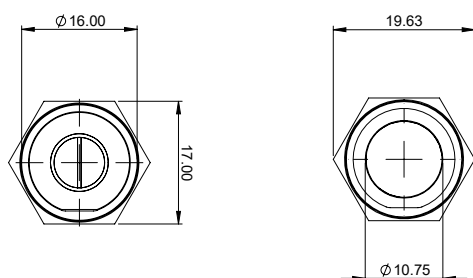


*Please use sizing profiles for any custom design requirements.

WIRED TERMINAL:



TOP VIEW:



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CUSTOM DESIGNS

For custom design requirements please contact APEM.

FRONT VIEW

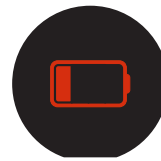
- Image shows different states



When green and red filters are turned off



When green filter is turned on & red off



When red filter is turned on & green off

DI101 O/I



DI102 ON/ OFF



DI103 START STOP



DI104 BATTERY



DI105 </> ARROWS

