Distinctive features and specification

Q14_VOY1701R2US

Features

- 14mm panel mounting LED indicator
- 10mm colored diffused epoxy lens or 10mm water clear super bright LEDs
- Plated brass bezel finished in bright chrome, black chrome or satin grey and moulded polycarbonate rear body
- · Prominent recessed and flush bezel styles
- · Custom engraving available
- 2VDC 220VAC
- (2.8 x 0.8) solder lug/Faston terminals, pins or (200mm long) wire terminations
- IP67 sealing option (EN60529)
- · Supplied with fixing nut and spring washer

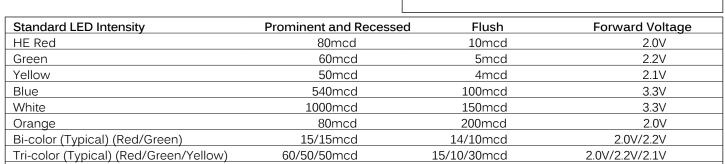
NB: UL Recognized Component



| 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



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.

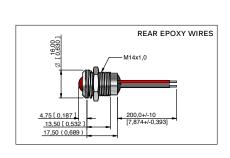
LED characteristics are dependent upon environmental conditions. Therefore published data should be considered nominal.

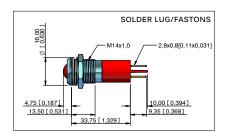
APEM Arrow.com.

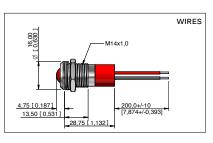
Technical Drawings

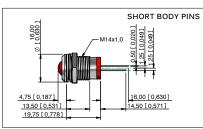
PROMINENT BEZEL

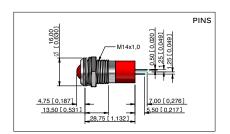


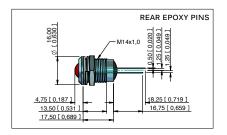


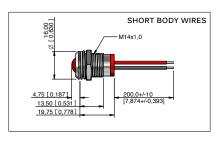






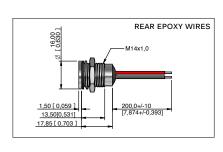


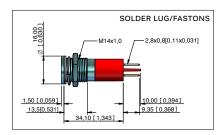


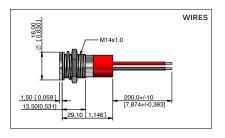


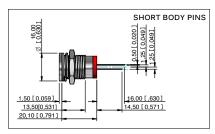
FLUSH BEZEL

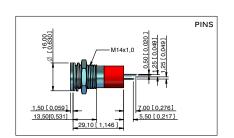


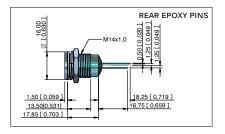


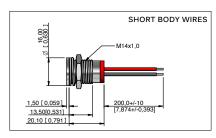




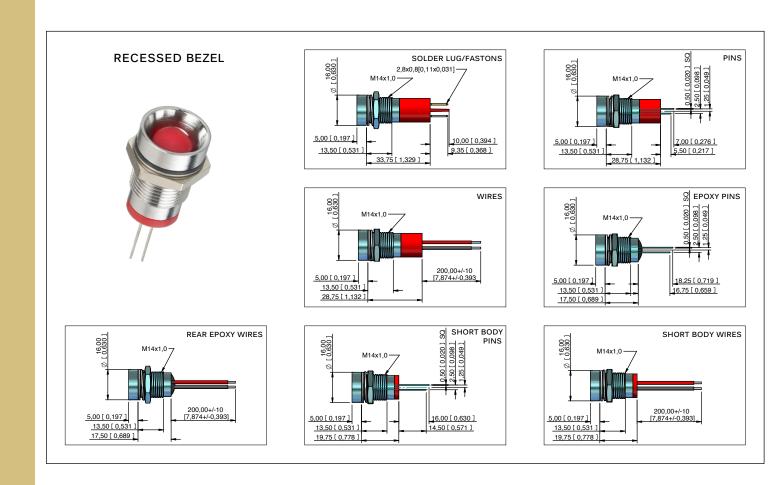








Technical Drawings



Q SERIES Ø14mm (.551") Panel Mount LED Indicators Custom options

CUSTOM MARKING

Cable length & connector



CUSTOM ENGRAVING

Suffix the part number with legend code.

| Code | Symbol | Description |
|------|-------------|----------------------|
| -0AJ | | High Beam |
| -097 | | Low Beam |
| -027 | ()≢ | Rear Fog |
| -026 | \$ 0 | Front Fog |
| -021 | | Windscreen Wiper |
| -022 | | Windscreen Washer |
| -023 | (%) | Ventilator Fan |
| -0AH | \$ | Turn Signal |
| -098 | ₹D0€ | Side Lights |

| Code | Symbol | Description |
|------|--------------|-----------------------|
| -041 | | Horn |
| -013 | | Hazard Warning |
| -018 | <u></u> | Heating |
| -0BU | | Brake Test |
| -0K6 | 4 | Arrow |
| -0AG | - | Battery |
| -0GP | | Oil Can |
| -020 | | Windscreen Heating |
| -086 | (ABS) | ABS |

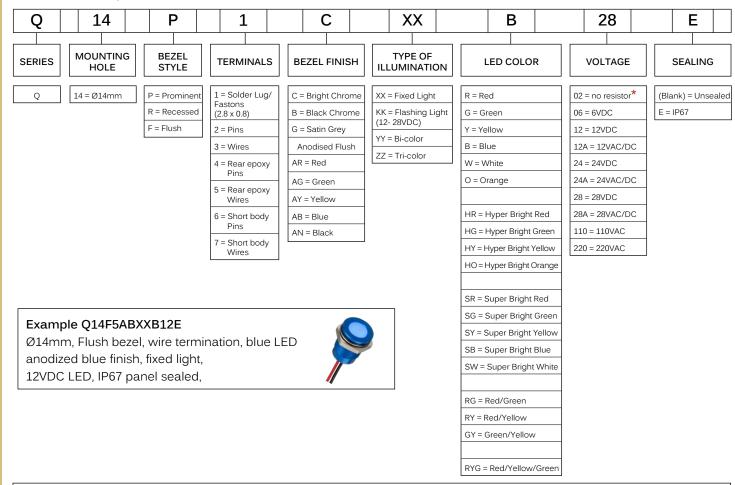
| Code | Symbol | Description |
|------|----------------|-----------------------|
| -0EL | 000 | Engine Coil |
| -0SB | (K) | Seat Belt |
| -0UB | \frac{\psi}{2} | USB Connection |
| -0ST | | Steam |
| -0EU | ECU | ECU |
| -0AD | | Side Step |
| -012 | \overline{X} | Air Con |
| -040 | | Engine |
| -0BR | | Boot/Trunk Release |

Some common codes are listed above, for your custom requirements please contact APEM. Unless specified, standard engraving with white infill will be supplied.

Order Overview

STANDARD OPTIONS

The Q14 Series is available with a range of standard options, to specify your LED, simply choose one option from each column. An example is shown below.



- Gold Faston terminal denotes Anode (+), silver terminal denotes Cathode (-)
- Standard wire length is 200mm, 22AWG UL1007, red wire denotes Anode (+), black wire denotes Cathode (-) for other wire lengths consult APEM
- For LEDs with alternative voltages consult APEM
- 110VAC and 220VAC, short body terminal options, 5, 6 and 7 please consult the factory
- Bi-color LEDs, by connecting the gold Faston (+) one color is produced, by reversing the supply voltage another color is produced Bi-colors are available up to 28VDC
- Take care when soldering to the Faston terminals (recommended solder temperature 300°C 3 sec)
- · Short body pins and wires are only available up to 28VDC
- The Tri-color LED has red and green LEDs when both are connected yellow is produced
- Standard Tri-color Faston terminals are two Anodes (+) and one Cathode (-)
- Tri-color wires are one red (+) and one green (+) Anode and one black (-) Cathode
- Tri-color pins are center (-) Cathode, shortest (+) Anode pin green, longest (+) Anode pin red
- Maximum panel thickness 11mm
- · We recommend using Hyper bright LEDs for use at 110VAC and 220VAC
- For multi-voltage options please consult APEM