

Q6 series

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



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 (dependent on option)
- Maximum panel thickness 7 mm



MATERIALS

- Plated brass bezel finished in bright chrome, black chrome 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.



Q6 series

Ø6 mm panel mount LED indicators



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/2.2 V

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	8,000 mcd	2.3 V
Blue	1,600 mcd	200 mcd	3.3 V
White	1,200 mcd	350 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
HE Red	3,700 mcd	600 mcd	2.2 V
Green	2,000 mcd	350 mcd	3.2 V
Yellow	1,200 mcd	140 mcd	2.0 V
Orange	4,500 mcd	400 mcd	2.2 V

- 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.

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

* Customer to supply resistor for desired operating current.



BUILD YOUR PART NUMBER

<div style="border: 1px solid black; padding: 2px; width: 30px; margin: 0 auto;">Q</div> <p>SERIES</p>	<div style="border: 1px solid black; padding: 2px; width: 30px; margin: 0 auto;">6</div> <p>MOUNTING HOLE</p> <p>Ø6 mm</p>	<div style="border: 1px solid black; padding: 2px; width: 30px; margin: 0 auto;">P</div> <p>BEZEL STYLE</p> <ul style="list-style-type: none"> P Prominent R Recessed F Flush 	<div style="border: 1px solid black; padding: 2px; width: 30px; margin: 0 auto;">1</div> <p>TERMINALS</p> <ul style="list-style-type: none"> 1 Solder Lug/ Fastons (2.0 x 0.5) 2 Pins 3 Wires 	<div style="border: 1px solid black; padding: 2px; width: 30px; margin: 0 auto;">4</div> <p>BEZEL FINISH</p> <ul style="list-style-type: none"> C Bright Chrome B Black Chrome G Satin Grey
<div style="border: 1px solid black; padding: 2px; width: 30px; margin: 0 auto;">XX</div> <p>TYPE OF ILLUMINATION</p> <ul style="list-style-type: none"> XX Fixed Light KK Flashing Light (12 V – 28 VDC) YY Bi-color 	<div style="border: 1px solid black; padding: 2px; width: 30px; margin: 0 auto;">R</div> <p>LED COLOR</p> <ul style="list-style-type: none"> R Red G Green Y Yellow B Blue W White O Orange HR Hyper Bright Red HG Hyper Bright Green HY Hyper Bright Yellow HO Hyper Bright Orange 	<div style="border: 1px solid black; padding: 2px; width: 30px; margin: 0 auto;">SR</div> <p>VOLTAGE</p> <ul style="list-style-type: none"> SR Super Bright Red SG Super Bright Green SY Super Bright Yellow SB Super Bright Blue SW Super Bright White SO Super Bright Orange RG Red/Green RY Red/Yellow GY Green/Yellow 	<div style="border: 1px solid black; padding: 2px; width: 30px; margin: 0 auto;">02</div> <p>SEALING</p> <ul style="list-style-type: none"> 02 no resistor* 06 6V DC 12 12 VDC 12A 12 VAC/DC 24 24 VDC 24A 24 VAC/DC 28 28 VDC 28A 28 VAC/DC <p>* please refer to the forward voltage in electrical specifications</p>	<div style="border: 1px solid black; padding: 2px; width: 30px; margin: 0 auto;">(Blank)</div> <p>SEALING</p> <ul style="list-style-type: none"> (Blank) Unsealed E IP67



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)
 - Short body options are only available up to 24 VDC.

Q6 series

Ø6 mm panel mount LED indicators

PROMINENT BEZEL



WIRES



REAR EPOXY WIRES



SHORT BODY WIRES



SOLDER LUG/FASTON



PINS



REAR EPOXY PINS



SHORT BODY PINS



Q6 series

Ø6 mm panel mount LED indicators

FLUSH BEZEL



SOLDER LUG/FASTON



WIRES



PINS



REAR EPOXY WIRES



REAR EPOXY PINS



SHORT BODY WIRES



SHORT BODY PINS



Q6 series

Ø6 mm panel mount LED indicators

RECESSED BEZEL



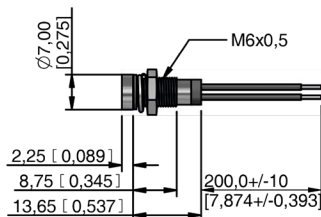
WIRES



REAR EPOXY WIRES



SHORT BODY WIRES



SOLDER LUG/FASTON



PINS



REAR EPOXY PINS



SHORT BODY PINS



Q8 series

Ø8 mm panel mount LED indicators



DISTINCTIVE FEATURES

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

Prominent, recessed and flush bezel styles

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



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 (dependent on option)
- Maximum panel thickness 7 mm

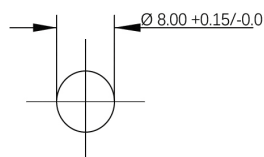
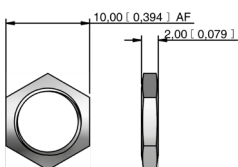


MATERIALS

- Plated brass bezel finished in bright chrome, black chrome 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.



Q8 series

Ø8 mm panel mount LED indicators



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.

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 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.

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.



BUILD YOUR PART NUMBER

<div style="border: 1px solid black; padding: 2px; width: 30px; margin: 0 auto;">Q</div> <p>SERIES</p>	<div style="border: 1px solid black; padding: 2px; width: 30px; margin: 0 auto;">8</div> <p>MOUNTING HOLE</p>	<div style="border: 1px solid black; padding: 2px; width: 30px; margin: 0 auto;">P</div> <p>BEZEL STYLE</p>	<div style="border: 1px solid black; padding: 2px; width: 30px; margin: 0 auto;">1</div> <p>TERMINALS</p>	<div style="border: 1px solid black; padding: 2px; width: 30px; margin: 0 auto;">C</div> <p>BEZEL FINISH</p>
<p>8 Ø8 mm</p>	<p>P Prominent R Recessed F Flush</p>	<p>1 Solder Lug/ Fastons (2.8 x 0.8) 2 Pins 3 Wires 4 Rear epoxy Pins</p>	<p>5 Rear epoxy Wires 6 Short body Pins 7 Short body Wires 8 Short body Lug/ Fastons (2.8 x 0.8) 9 Extended short body solder Lug/ Fastons (2.8 x 0.5)</p>	<p>C Bright Chrome B Black Chrome G Satin Grey</p>
<div style="border: 1px solid black; padding: 2px; width: 30px; margin: 0 auto;">XX</div> <p>TYPE OF ILLUMINATION</p>	<div style="border: 1px solid black; padding: 2px; width: 30px; margin: 0 auto;">R</div> <p>LED COLOR</p>	<div style="border: 1px solid black; padding: 2px; width: 30px; margin: 0 auto;">SW</div> <p>VOLTAGE</p>	<div style="border: 1px solid black; padding: 2px; width: 30px; margin: 0 auto;">(Blank)</div> <p>SEALING</p>	
<p>XX Fixed Light KK Flashing Light (12V – 28VDC) YY Bi-color ZZ Tri-color</p>	<p>R Red G Green Y Yellow B Blue W White O Orange HR Hyper Bright Red</p>	<p>HG Hyper Bright Green HY Hyper Bright Yellow HO Hyper Bright Orange SR Super Bright Red SG Super Bright Green SY Super Bright Yellow SB Super Bright Blue</p>	<p>SW Super Bright White SO Super Bright Orange RG Red/Green RY Red/Yellow GY Green/Yellow RYG Red/Yellow/Green</p>	<p>02 no resistor* 06 6 VDC 12 12 VDC 12A 12 VAC/DC 24 24 VDC 24A 24 VAC/DC 28 28 VDC 28A 28 VAC/DC 110 110 VAC 220 220 VAC</p>
			<p>(Blank) Unsealed E IP67</p>	



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
 - 110 VAC and 220 VAC, only available with terminal options 1 & 3
 - 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 28 VDC [AC products not available]
 - Take care when soldering to the faston terminals (recommended solder temperature 300 °C - 3 sec)
 - Terminal options 2,6,7 & 9 are only available up to 28 V (DC only). Tri-color not available with terminal 9
 - Terminal code 8 is only available without integral resistor, see forward voltage values.
 - We recommend using hyperbright or superbright leds for use at 110 VAC and 220 VAC
 - Mains voltage product is not recommended for use on 3 phase appliances
 - 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

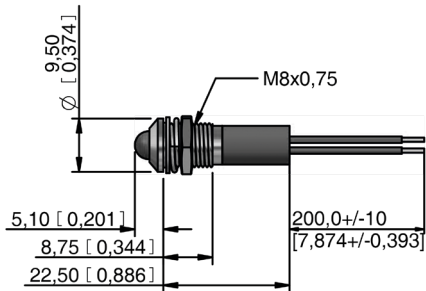
Q8 series

Ø8 mm panel mount LED indicators

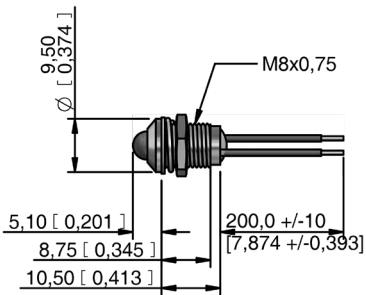
PROMINENT BEZEL



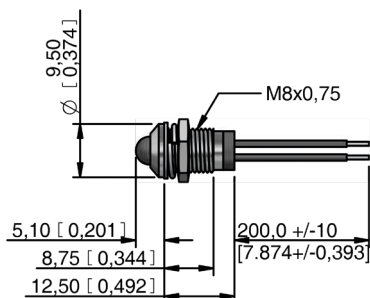
WIRES



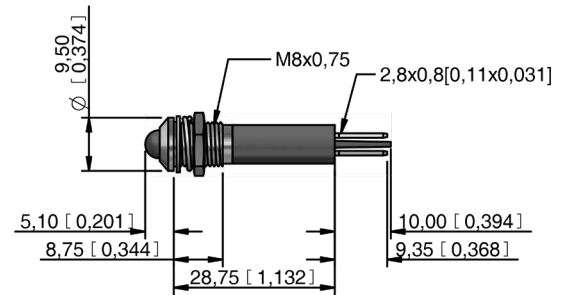
REAR EPOXY WIRES



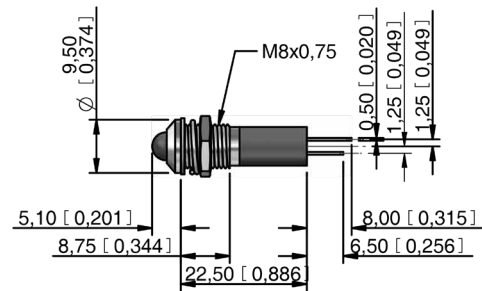
SHORT BODY WIRES



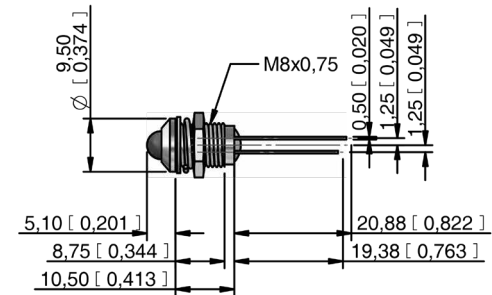
SOLDER LUG/FASTON



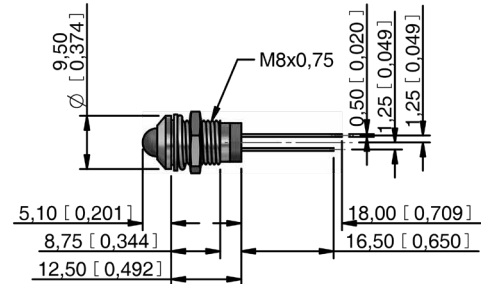
PINS



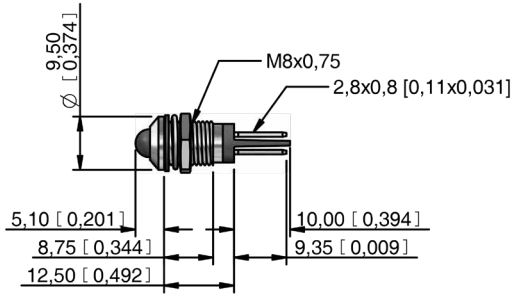
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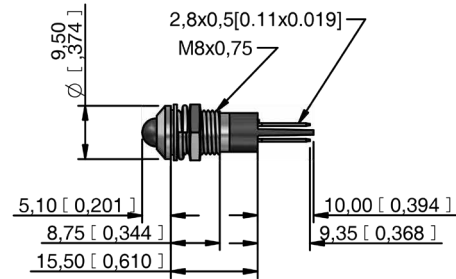
SHORT BODY PINS



PROMINENT BEZEL (CONTINUED) SHORT BODY SOLDER LUG/FASTONS



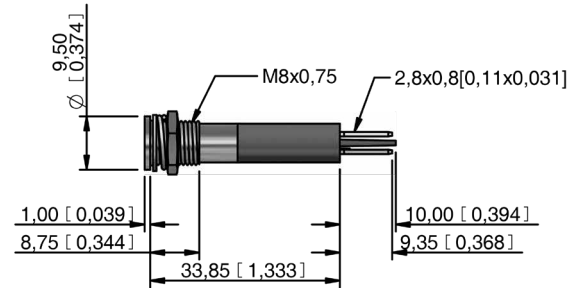
EXTENDED SHORT BODY SOLDER LUG/FASTONS



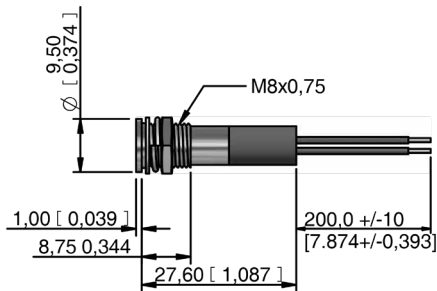
FLUSH BEZEL



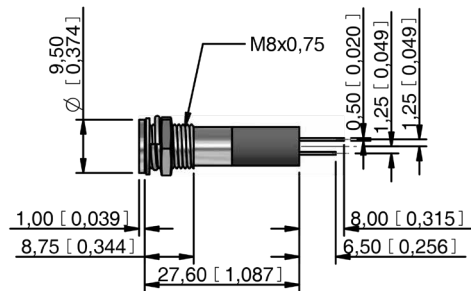
SOLDER LUG/FASTON



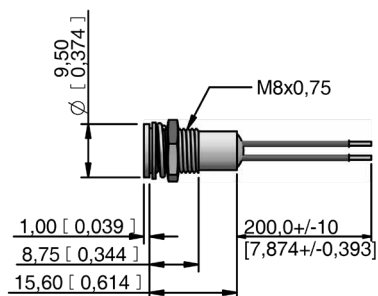
WIRES



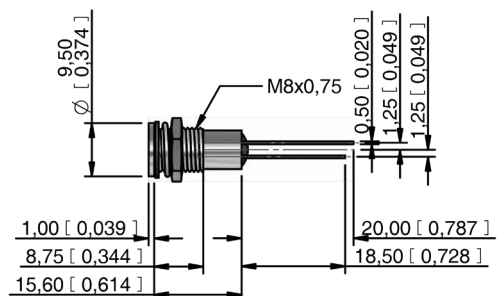
PINS



REAR EPOXY WIRES



REAR EPOXY PINS

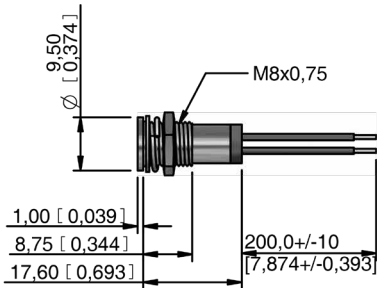


Q8 series

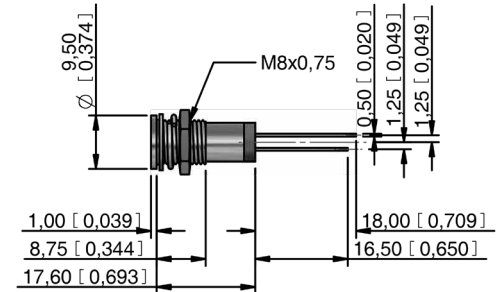
Ø8 mm panel mount LED indicators

FLUSH BEZEL (CONTINUED)

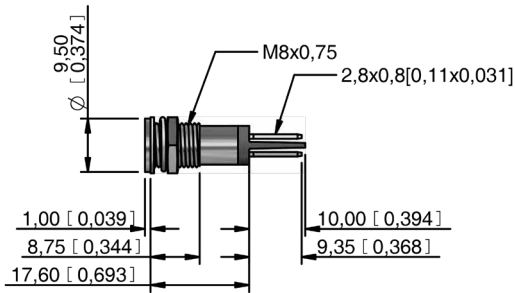
SHORT BODY WIRES



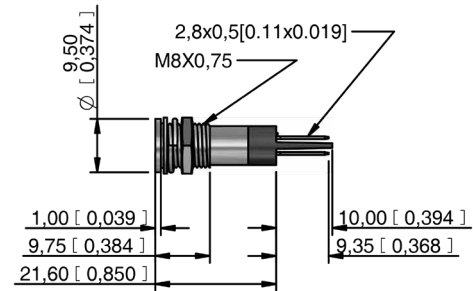
SHORT BODY PINS



SHORT BODY SOLDER LUG/FASTONS



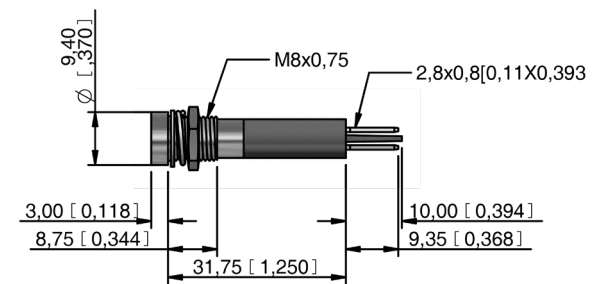
EXTENDED SHORT BODY SOLDER LUG/FASTONS



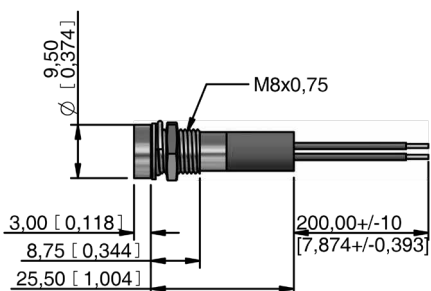
RECESSED BEZEL



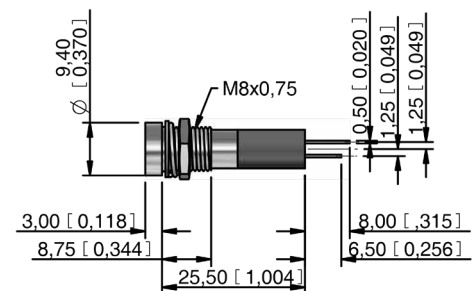
SOLDER LUG/FASTON



WIRES

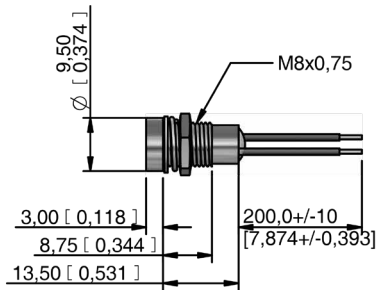


PINS

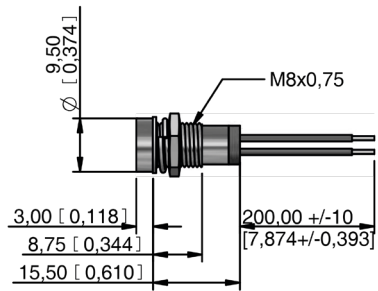


RECESSED BEZEL (CONTINUED)

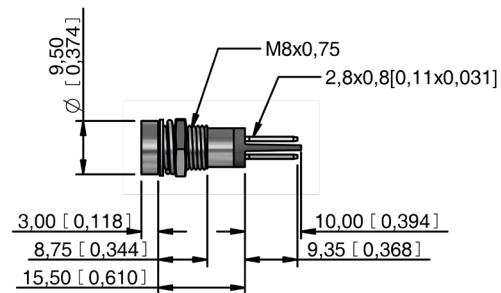
REAR EPOXY WIRES



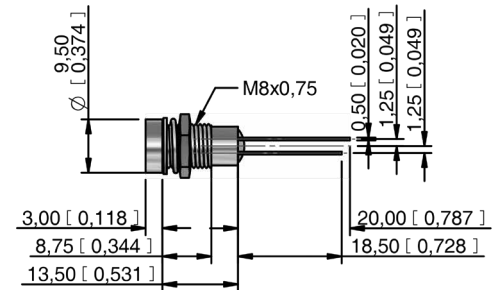
SHORT BODY WIRES



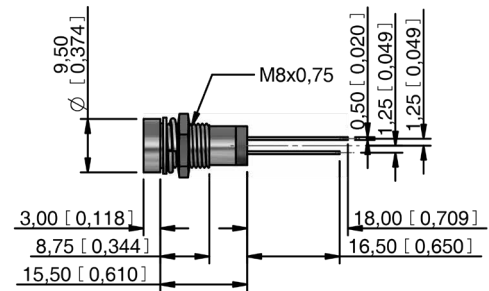
SHORT BODY SOLDER LUG/FASTONS



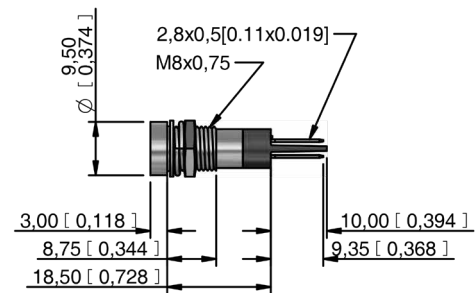
REAR EPOXY PINS



SHORT BODY PINS



EXTENDED SHORT BODY SOLDER LUG/FASTONS



Q12 series

Ø12 mm panel mount LED indicators



DISTINCTIVE FEATURES

8 mm colored diffused epoxy lens or 8 mm water clear super bright LEDs

2VDC - 220VAC

(2.8 x 0.8) solder lug/faston terminals, pins or (200mm long) wire terminations



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 (dependent on option)
- Maximum panel thickness 7 mm

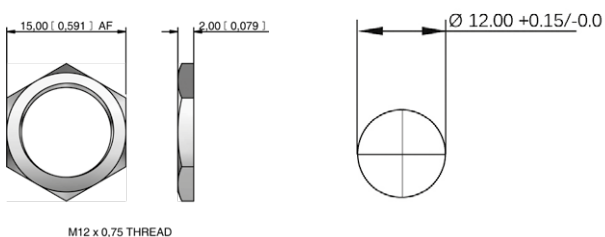


MATERIALS

- Plated brass bezel finished in bright chrome, black chrome 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.



Q12 series

Ø12 mm panel mount LED indicators



ELECTRICAL SPECIFICATIONS

STANDARD LED INTENSITY

LED COMPONENT SPECIFICATIONS			
	Prominent and Recessed	Flush	Forward Voltage
HE Red	350 mcd	N/A	2.0 V
Green	60 mcd	N/A	2.2 V
Yellow	50 mcd	N/A	2.1 V
Blue	800 mcd	330 mcd	3.3 V (Flush : 3.1 V)
White	1,200 mcd	1.560 mcd	3.3 V (Flush : 3.1 V)
Orange	100 mcd	N/A	2.2 V
Bi-color (Typical) (Red/Green)	20/10 mcd	N/A	2.0 V/2.2 V
Tri-color (Typical) (Red/Green/Yellow)	80/15/13 mcd	N/A	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.

SUPER BRIGHT LED INTENSITY

LED COMPONENT SPECIFICATIONS			
	Prominent and Recessed	Flush	Forward Voltage
HE Red	3,000 mcd	N/A	2.2 V
Green	8,000 mcd	N/A	3.3 V
Yellow	1,100 mcd	N/A	2.0 V
Blue	1,500mcd	N/A	3.3 V
White	1,200 mcd	N/A	3.3 V
Orange	2,000 mcd	N/A	2.2 V

HYPER BRIGHT LED INTENSITY

LED COMPONENT SPECIFICATIONS			
	Prominent and Recessed	Flush	Forward Voltage
HE Red	N/A	1,120 mcd	2.2 V
Green	N/A	1,560 mcd	3.3 V
Yellow	N/A	1,120 mcd	2.0 V
Orange	N/A	1,120 mcd	2.2 V

- 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.

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.

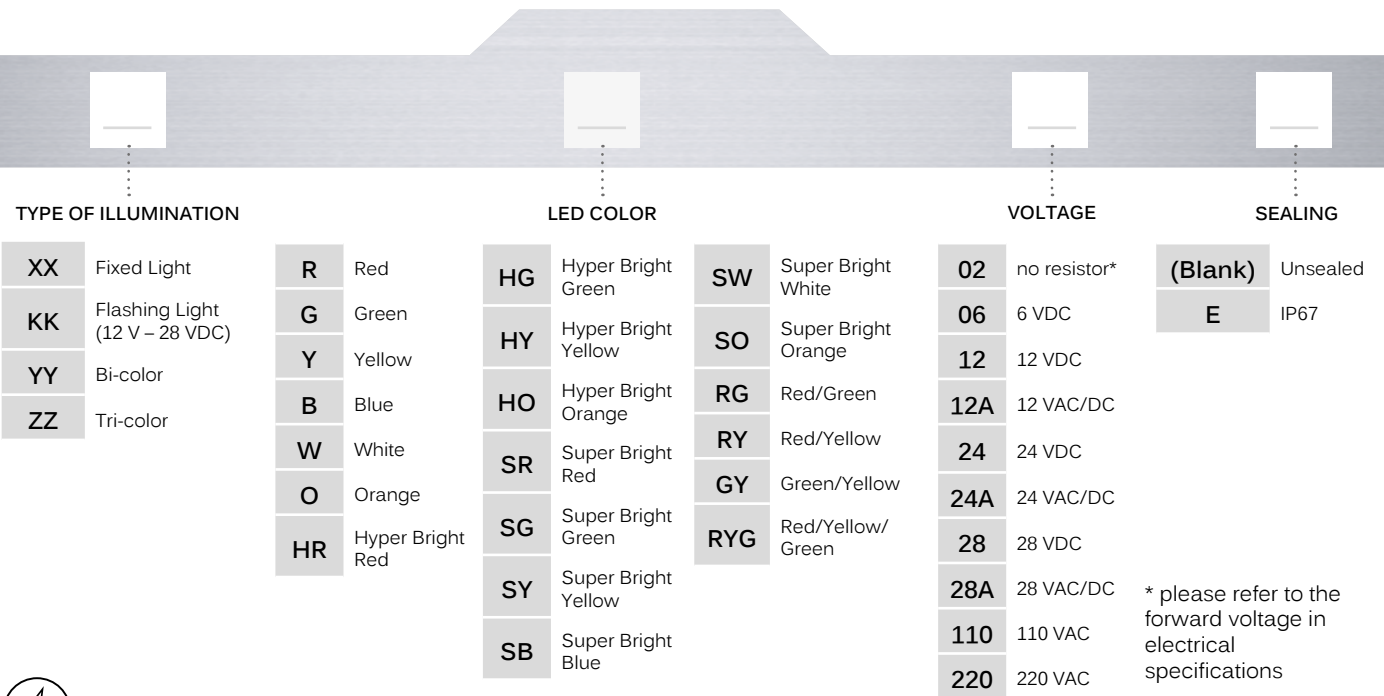
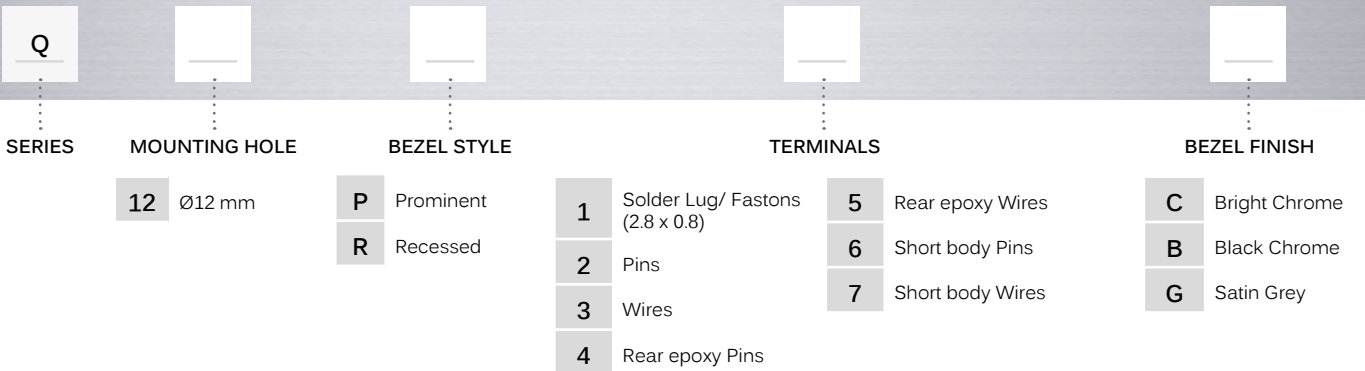
Q12 series

Ø12 mm panel mount LED indicators



BUILD YOUR PART NUMBER

PROMINENT AND RECESSED BEZEL



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, 22 AWG UL1061, red wire denotes anode (+), black wire denotes cathode (-) for other wire lengths consult APEM
- 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 28 VDC
- Take care when soldering to the faston terminals (recommended solder temperature 300 °C - 3 sec)
- Max voltage for pins and wires is 28 V
- Tri-color are not available with terminal option 1 and behind panel epoxy sealed with wires (option 4) or pins (option 5).
- 110 VAC and 220 VAC, short body terminal options, 5, 6 and 7 please consult the factory
- We recommend using Hyperbright or Superbright LEDs for use at 110 VAC and 220 VAC
- 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

Q12 series

Ø12 mm panel mount LED indicators



BUILD YOUR PART NUMBER

FLUSH BEZEL

Q

SERIES

MOUNTING HOLE

12 Ø12 mm

BEZEL STYLE

F Flush

TERMINALS

1 Solder Lug/ Fastons
(2.8 x 0.8)
4 Rear epoxy Pins
5 Rear epoxy Wires

BEZEL FINISH

C Bright Chrome
B Black Chrome
G Satin Grey

TYPE OF ILLUMINATION

XX Fixed Light

LED COLOR

HR Red
HG Green
HY Yellow
B Blue
W White
HO Orange

VOLTAGE

02 no resistor*
06 6 VDC
12 12 VDC
12A 12 VAC/DC
24 24 VDC
24A 24 VAC/DC
28 28 VDC
28A 28 VAC/DC
110 110 VAC
220 220 VAC

SEALING

(Blank) Unsealed
E IP67



ABOUT THIS SERIES



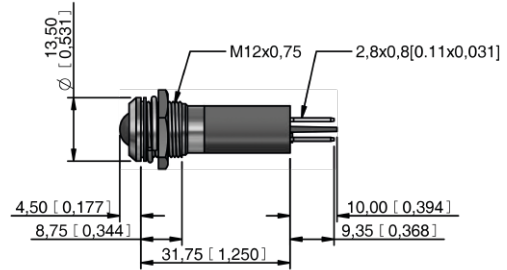
Notice: please note that not all combinations of above numbers are available.

- Gold faston terminal denotes anode (+), silver terminal denotes cathode (-)
- Standard wire length is 200 mm, 22 AWG UL1061, red wire denotes anode (+), black wire denotes cathode (-) for other wire lengths consult APEM
- For leds with alternative voltages please consult Apem
- Take care when soldering to the faston terminals (recommended solder temperature 300 °C - 3 sec)
- Max voltage for pins and wires is 28 V.
- 110VAC and 220VAC only available with solder lug/Faston terminals

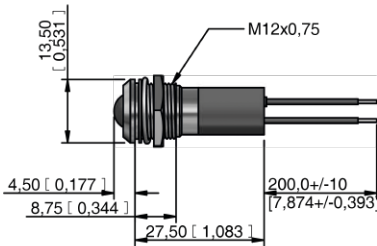
PROMINENT BEZEL



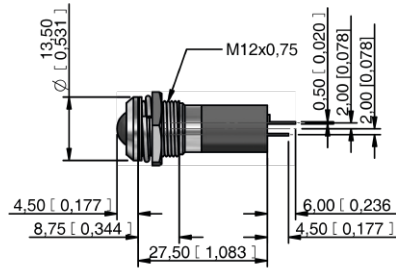
SOLDER LUG/FASTON



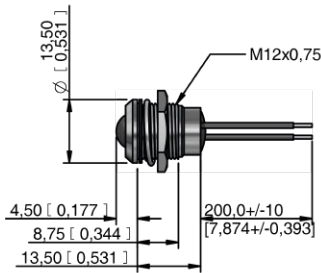
WIRES



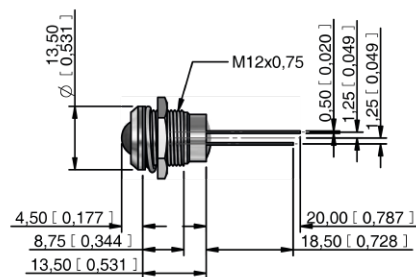
PINS



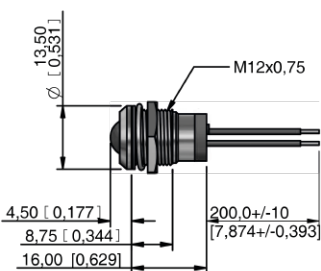
REAR EPOXY WIRES



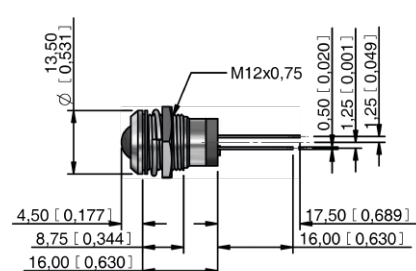
REAR EPOXY PINS



SHORT BODY WIRES



SHORT BODY PINS



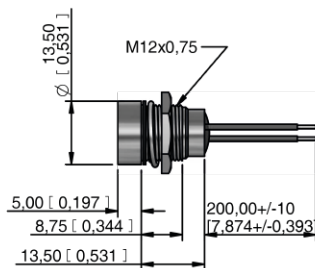
Q12 series

Ø12 mm panel mount LED indicators

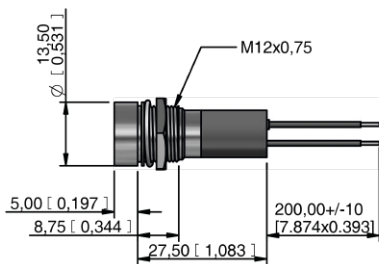
RECESSED BEZEL



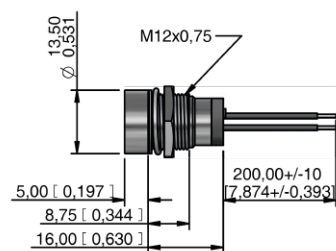
WIRES



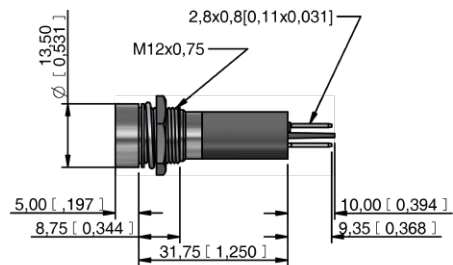
REAR EPOXY WIRES



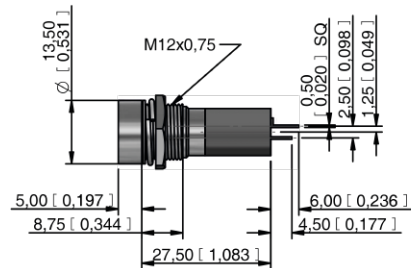
SHORT BODY WIRES



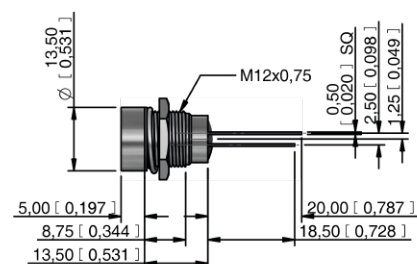
SOLDER LUG/FASTON



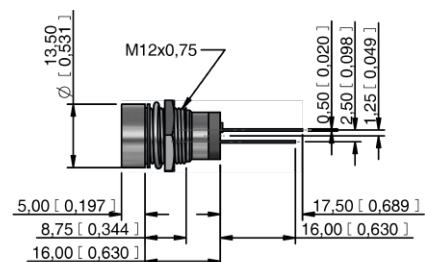
PINS



REAR EPOXY PINS



SHORT BODY PINS



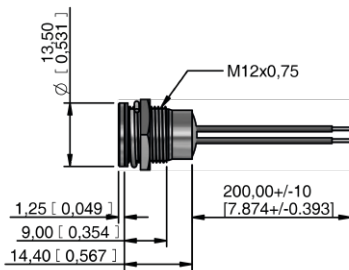
Q12 series

Ø12 mm panel mount LED indicators

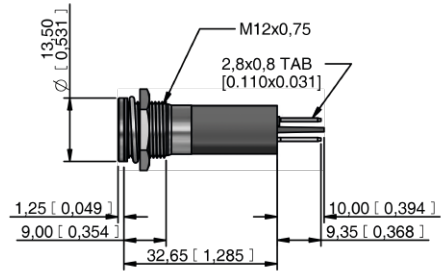
FLUSH BEZEL



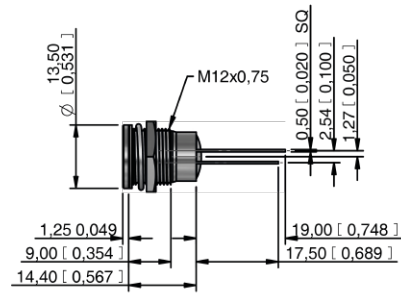
WIRES



SOLDER LUG/FASTON



PINS



Q14 series

Ø14 mm panel mount LED indicators



DISTINCTIVE FEATURES

10 mm colored diffused epoxy lens or 10 mm water clear super bright LEDs

Prominent and flush bezel styles

(2.8 x 0.8) solder lug/faston terminals, pins or (200 mm long) wire terminations

Custom engraving available

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)

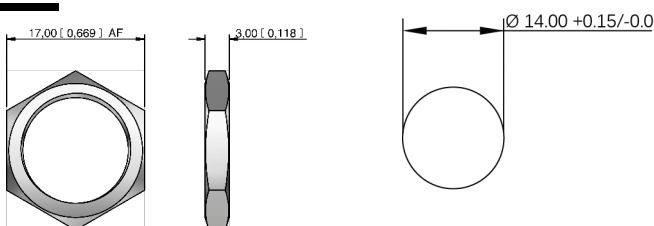
GENERAL SPECIFICATIONS

- Max Reverse Voltage: 5 V
- Viewing Angle: 30–100° (dependant on model)
- Life Expectancy: 100,000 hours
- Torque: 4 cNm (dependent on option)
- Maximum panel thickness 11 mm

MATERIALS

- Plated brass bezel finished in bright chrome, black chrome 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.



Q14 series

Ø14 mm panel mount LED indicators



ELECTRICAL SPECIFICATIONS

STANDARD LED INTENSITY

LED COMPONENT SPECIFICATIONS			
	Prominent and Recessed	Flush	Forward Voltage
HE Red	80 mcd	10 mcd	2.0 V
Green	60 mcd	5 mcd	2.2 V
Yellow	50 mcd	4 mcd	2.1 V
Blue	540 mcd	100 mcd	3.3 V
White	1000 mcd	150 mcd	3.3 V
Orange	80 mcd	200 mcd	2.2 V
Bi-color (Typical) (Red/Green)	15/15 mcd	14/10 mcd	2.0V/2.2 V
Tri-color (Typical) (Red/Green/Yellow)	60/50/50mcd	15/10/30 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.

SUPER BRIGHT LED INTENSITY

LED COMPONENT SPECIFICATIONS			
	Prominent and Recessed	Flush	Forward Voltage
HE Red	17,000 mcd	2,000 mcd	2.2 V
Green	11,000 mcd	680 mcd	3.3 V
Yellow	4,000 mcd	350 mcd	2.0 V
Blue	2,500mcd	250 mcd	3.3 V
White	4,400 mcd	250 mcd	3.3 V
Orange	2,800 mcd	300 mcd	2.2 V

HYPER BRIGHT LED INTENSITY

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

- 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.

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

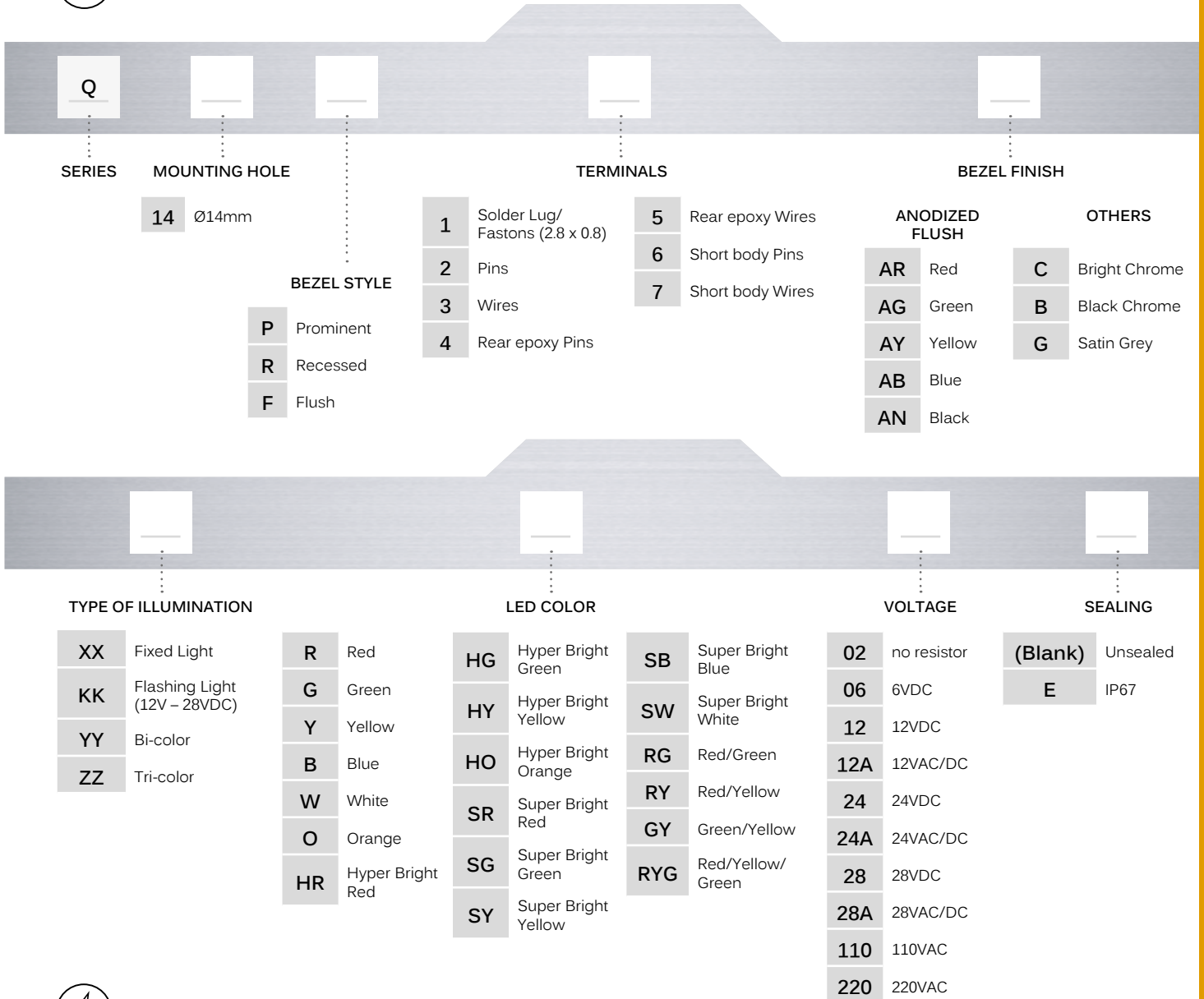
* Customer to supply resistor for desired operating current.

Q14 series

Ø14 mm panel mount LED indicators



BUILD YOUR PART NUMBER



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, 22 AWG UL1061, red wire denotes anode (+), black wire denotes cathode (-) for other wire lengths consult APEM
- For LEDs with alternative voltages and multi-voltage options consult APEM
- 110 VAC and 220 VAC, 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 28 VDC

- 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 28 VDC
- 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
- We recommend using Hyperbright or Superbright LEDs for use at 110 VAC and 220 VAC

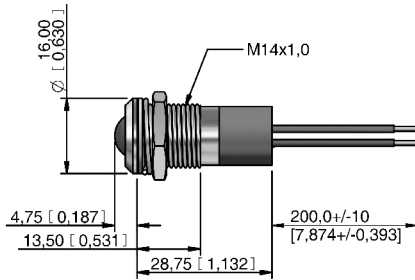
Q14 series

Ø14 mm panel mount LED indicators

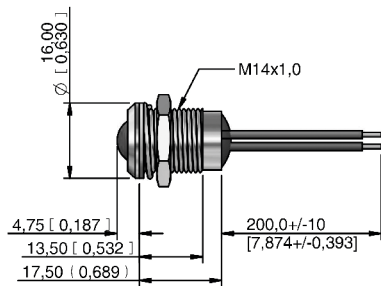
PROMINENT BEZEL



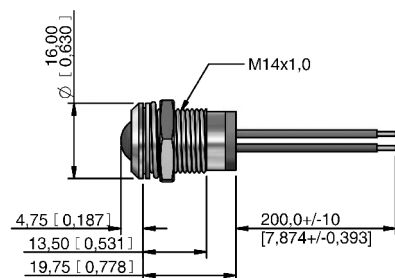
WIRES



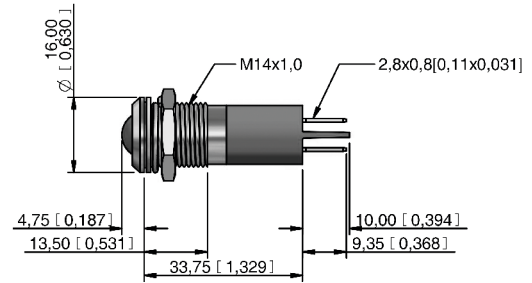
REAR EPOXY WIRES



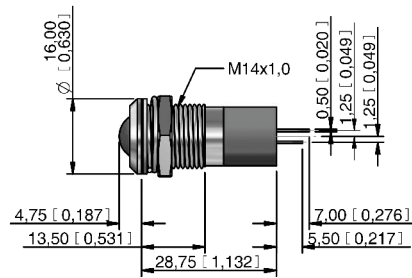
SHORT BODY WIRES



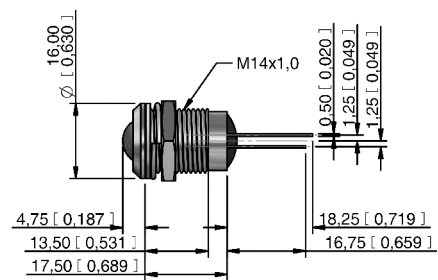
SOLDER LUG/FASTON



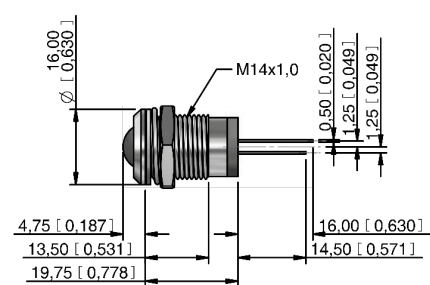
PINS



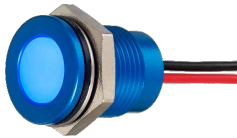
REAR EPOXY PINS



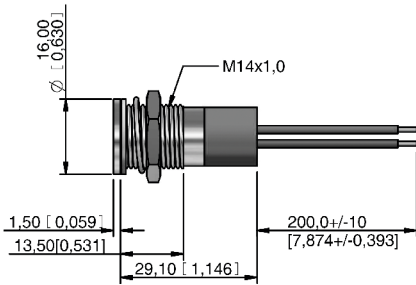
SHORT BODY PINS



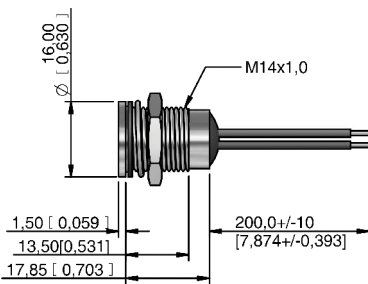
FLUSH BEZEL



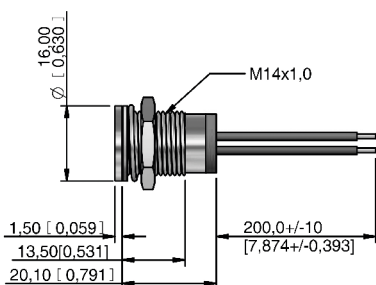
WIRES



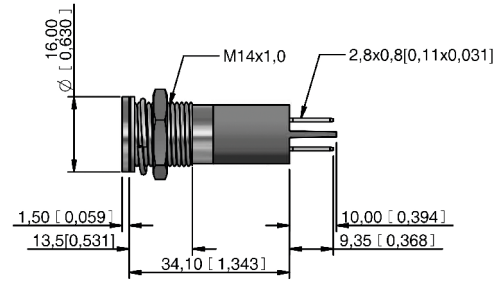
REAR EPOXY WIRES



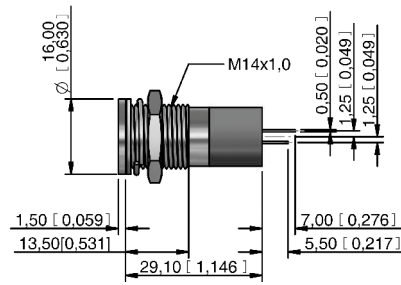
SHORT BODY WIRES



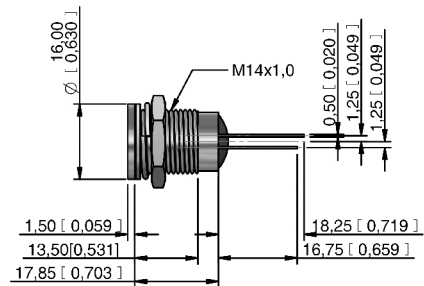
SOLDER LUG/FASTON



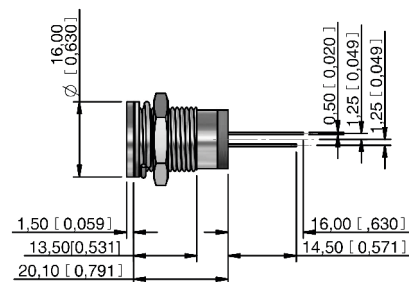
PINS



REAR EPOXY PINS



SHORT BODY PINS



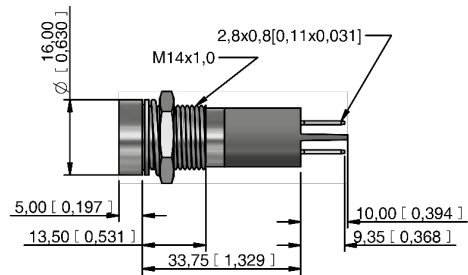
Q14 series

Ø14 mm panel mount LED indicators

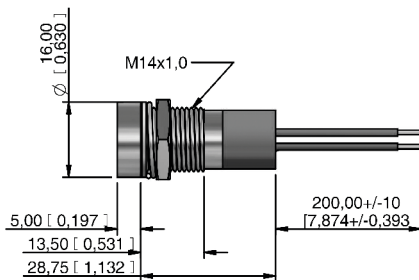
RECESSED BEZEL



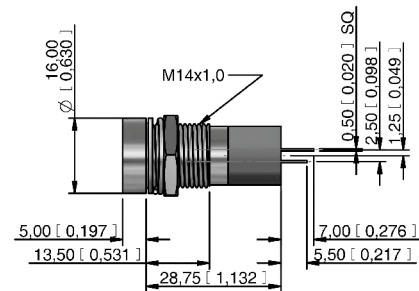
SOLDER LUG/FASTON



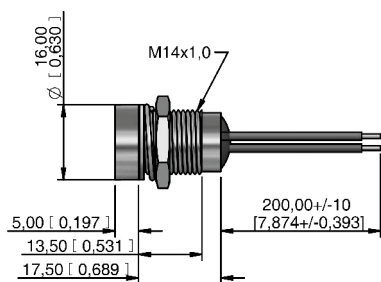
WIRES



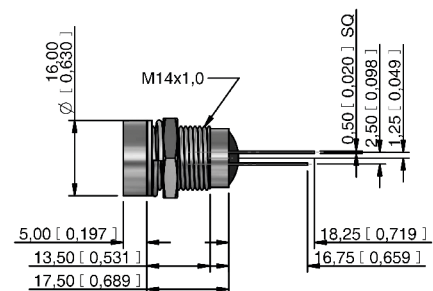
PINS



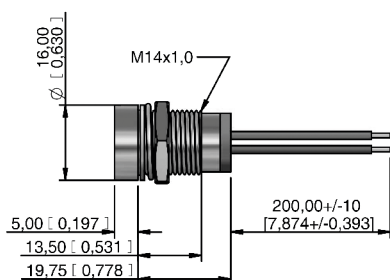
REAR EPOXY WIRES



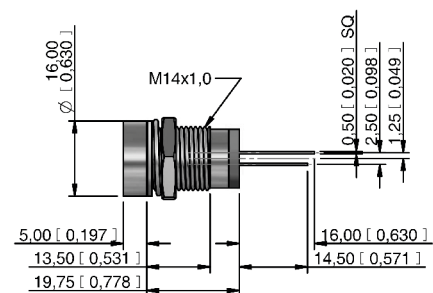
REAR EPOXY PINS



SHORT BODY WIRES



SHORT BODY PINS






























Q14 series

Ø14 mm panel mount LED indicators

CUSTOM ENGRAVING

Some common codes are listed above, for your custom requirements please contact APEM.
Unless specified standard engraving with white infill will be supplied.
Suffix the part number with legend code :

						
High beam -0AJ	Low beam -097	Rear fog -027	Front fog -026	Windscreen wiper -021	Windscreen washer -022	Ventilator fan -023
						
Turn Signal -0AH	Side lights -098	Horn -041	Hazard warning -013	Heating -018	Brake test -0BU	Arrow -0K6
						
Battery -0AG	Oil can -0GP	Windscreen heating -020	ABS -086	Engine coil -0EL	Seat belt -0SB	USB connection -0UB
						
Steam -0ST	ECU -0EU	Side step -0AD	Air con -012	Engine -040	Boot/Trunk Release -0BR	



CABLE LENGTH AND CONNECTOR



For custom cable length and connectors contact APEM.

Q16 series

Ø16 mm panel mount LED indicators



DISTINCTIVE FEATURES

Secret until lit polycarbonate decals or custom engraving
10 mm colored diffused epoxy lens or 10 mm water clear super bright LEDs
(2.8 x 0.8) solder lug/faston terminals, pins or (200 mm long) wire terminations



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: 75 cNm (dependent on option)
- Maximum panel thickness 11 mm

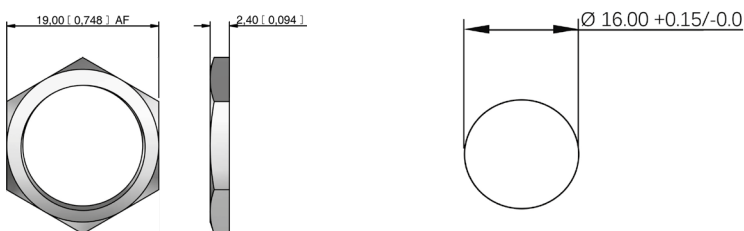


MATERIALS

- Plated brass bezel finished in bright chrome, black chrome 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.



Q16 series

Ø16 mm panel mount LED indicators



ELECTRICAL SPECIFICATIONS

STANDARD LED INTENSITY

LED COMPONENT SPECIFICATIONS			
	Prominent and Recessed	Flush	Forward Voltage
HE Red	80 mcd	10 mcd	2.0 V
Green	60 mcd	5 mcd	2.2 V
Yellow	50 mcd	4 mcd	2.1 V
Blue	540 mcd	100 mcd	3.3 V
White	1,000 mcd	150 mcd	3.3 V
Orange	80 mcd	200 mcd	2.2 V
Bi-color (Typical) (Red/Green)	15/15 mcd	14/10 mcd	2.0 V/2.2 V
Tri-color (Typical) (Red/Green/Yellow)	60/50/50 mcd	15/10/30 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.

SUPER BRIGHT LED INTENSITY

LED COMPONENT SPECIFICATIONS			
	Prominent and Recessed	Flush	Forward Voltage
HE Red	17,000 mcd	2000 mcd	2.2 V
Green	11,000 mcd	680 mcd	3.5 V
Yellow	4,000 mcd	350 mcd	2.3 V
Blue	2,500 mcd	250 mcd	3.3 V
White	4,400 mcd	250 mcd	3.3 V
Orange	2,800 mcd	300 mcd	2.1 V

HYPER BRIGHT LED INTENSITY

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

- 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.

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.

ADDITIONAL INFORMATION ON LED COMPONENTS

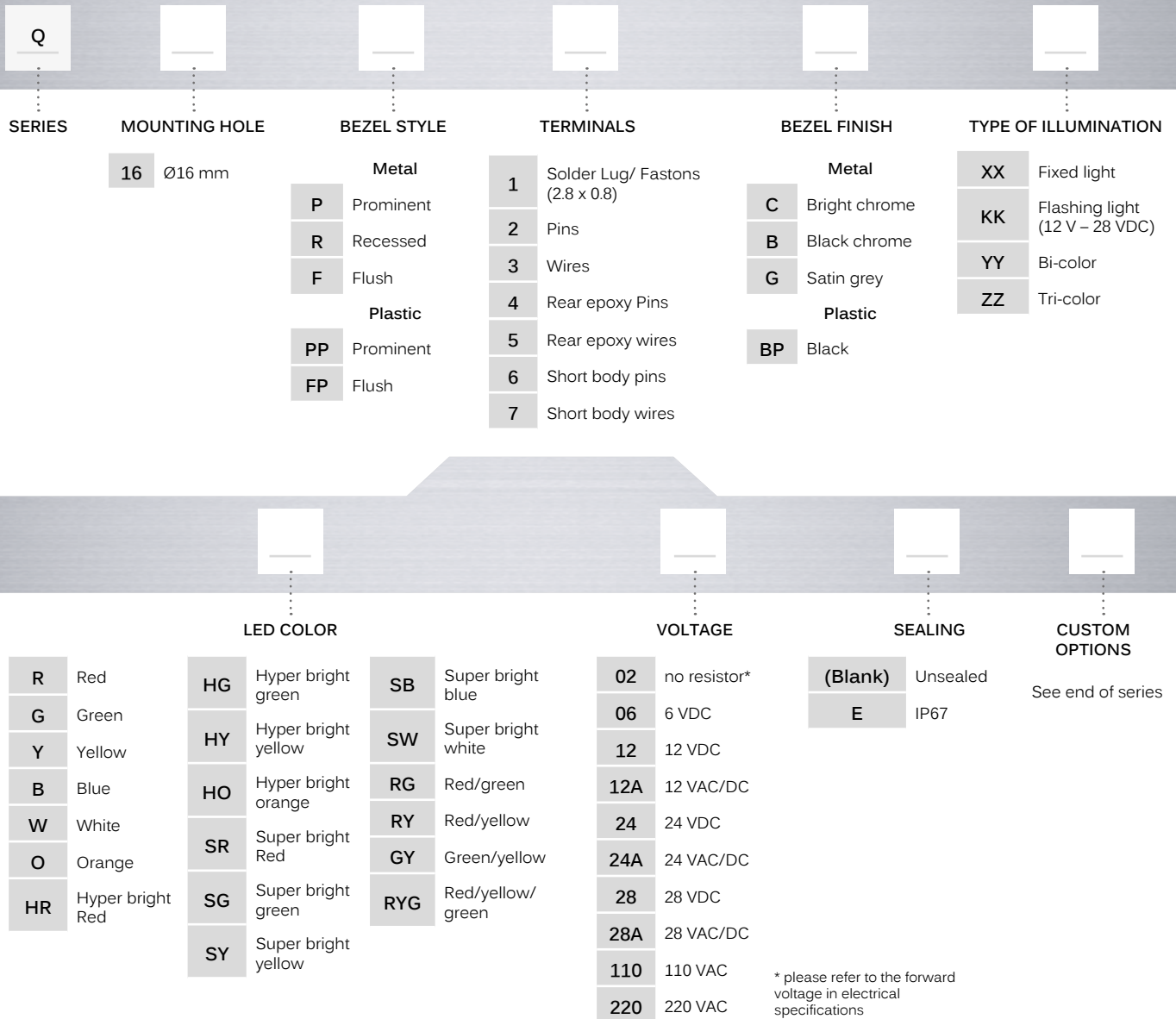
- Bi-color leds, by connecting the gold faston (+) one color is produced, by reversing the supply voltage another color is produced – bi-colors are available up to 28 VDC
- The tri-color led has red and green leds when both are connected yellow is produced

Q16 series

Ø16 mm panel mount LED indicators



BUILD YOUR PART NUMBER



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, 22 AWG UL1007, red wire denotes anode (+), black wire denotes cathode (-) for other wire lengths consult APEM
 - 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 28 VDC
 - 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
 - We recommend using hyperbright or superbright leds for use at 110 VAC and 220 VAC
 - For leds with alternative voltages and for multi-voltage options please consult APEM

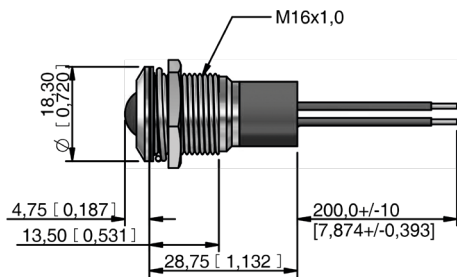
Q16 series

Ø16 mm panel mount LED indicators

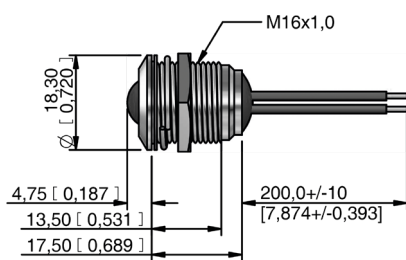
PROMINENT BEZEL



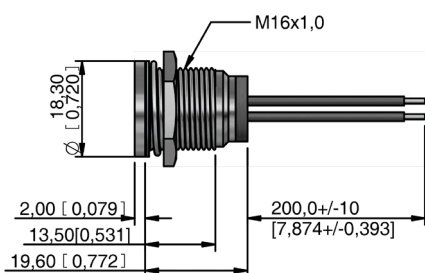
WIRES



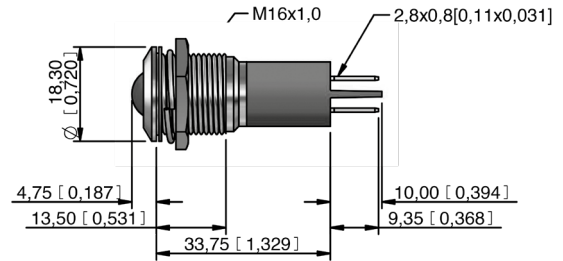
REAR EPOXY WIRES



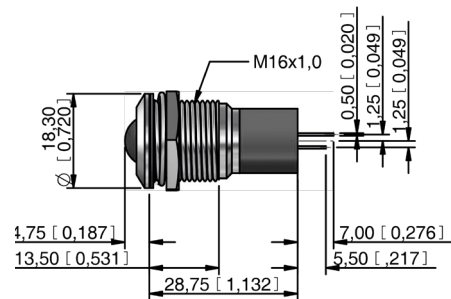
SHORT BODY WIRES



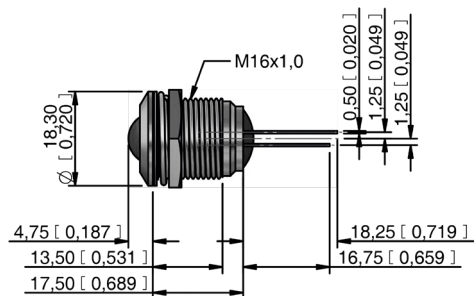
SOLDER LUG/FASTON



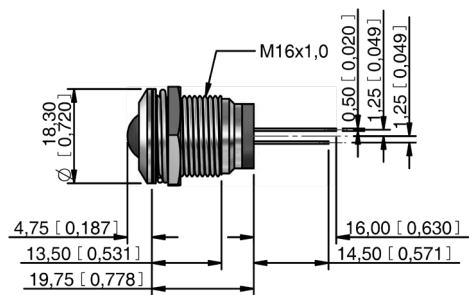
PINS



REAR EPOXY PINS



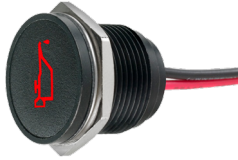
SHORT BODY PINS



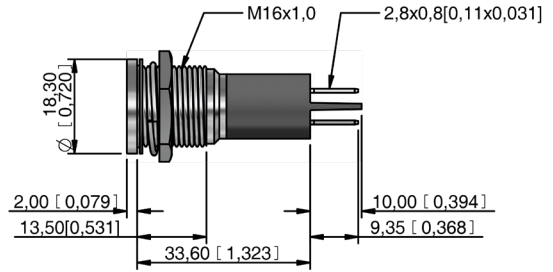
Q16 series

Ø16 mm panel mount LED indicators

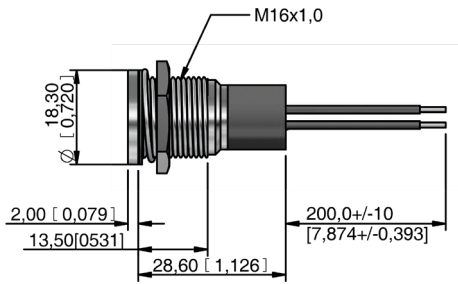
FLUSH BEZEL



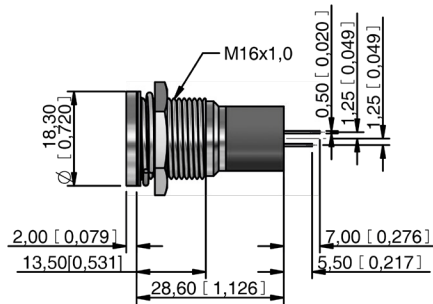
SOLDER LUG/FASTON



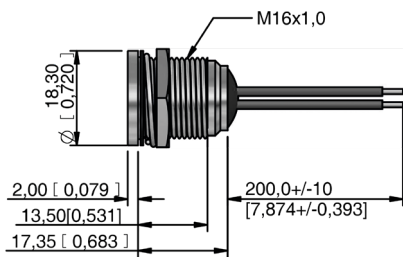
WIRES



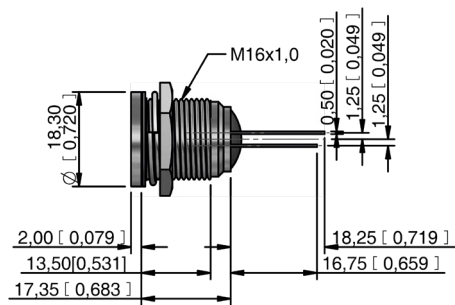
PINS



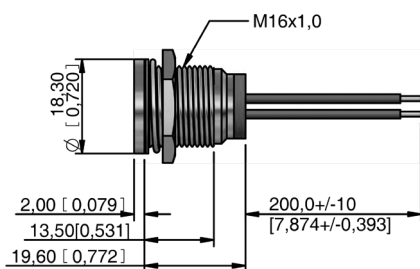
REAR EPOXY WIRES



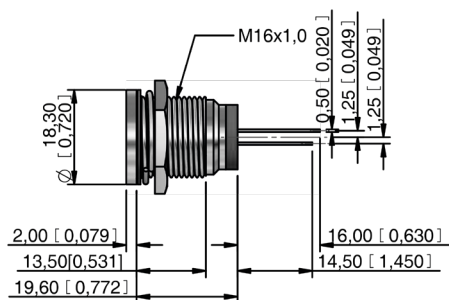
REAR EPOXY PINS



SHORT BODY WIRES



SHORT BODY PINS



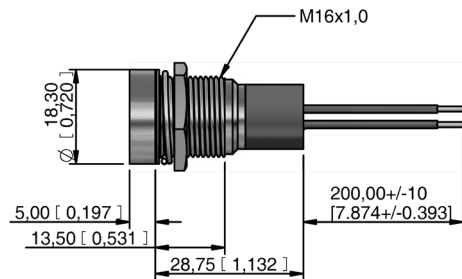
Q16 series

Ø16 mm panel mount LED indicators

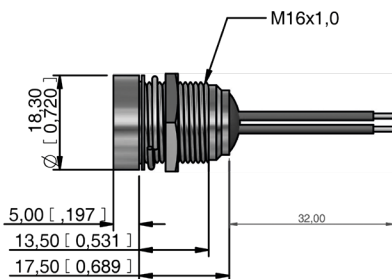
RECESSED BEZEL



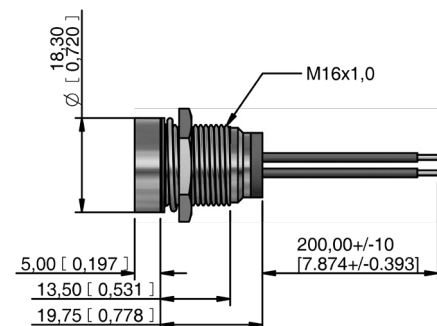
WIRES



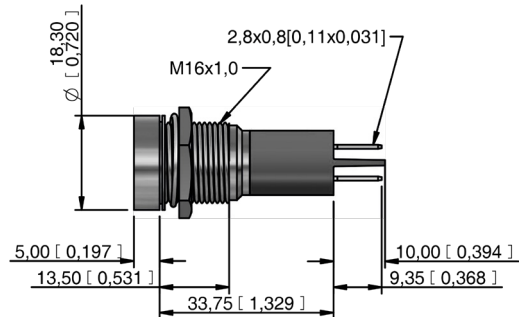
REAR EPOXY WIRES



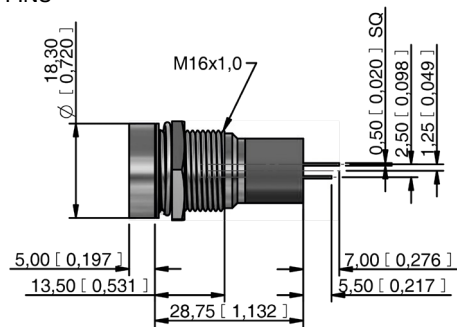
SHORT BODY WIRES



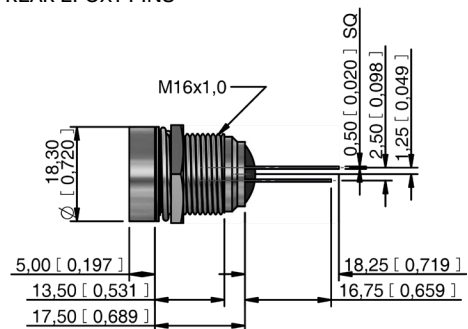
SOLDER LUG/FASTON



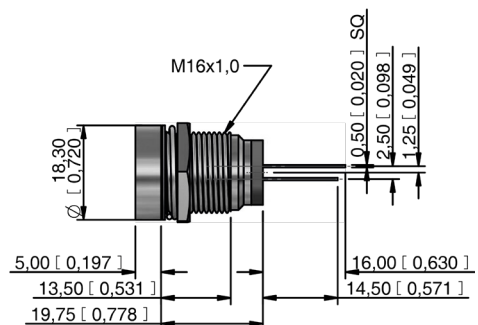
PINS



REAR EPOXY PINS



























SHORT BODY PINS



CUSTOM ENGRAVING

Some common codes are listed above, for your custom requirements please contact APEM.
Unless specified standard engraving with white infill will be supplied.
Suffix the part number with legend code :

						
High beam -0AJ	Low beam -097	Rear fog -027	Front fog -026	Windscreen wiper -021	Windscreen washer -022	Ventilator fan -023
						
Turn Signal -0AH	Side lights -098	Horn -041	Hazard warning -013	Heating -018	Brake test -0BU	Arrow -0K6
						
Battery -0AG	Oil can -0GP	Windscreen heating -020	ABS -086	Engine coil -0EL	Seat belt -0SB	USB connection -0BU
						
Steam -0ST	ECU -0EU	Side step -0AD	Air con -012	Engine -040	Boot/Trunk Release -0BR	



Q16 series

Ø16 mm panel mount LED indicators



SECRET UNTIL LIT POLYCARBONATE INSERTS

Some common codes are listed above, for your custom requirements please contact APEM. Please note Secret until lit inserts only available with flush metal bezel (Option F)
Suffix the part number with legend code :



CABLE LENGTH AND CONNECTOR



For custom cable length and connectors contact APEM.

Q22 series

Ø22 mm panel mount LED indicators



DISTINCTIVE FEATURES

16.75 mm colored diffused epoxy lens or 16.75 mm super bright LEDs

Secret until lit polycarbonate decals or custom engraving
(2.8 x 0.8) solder lug/faston terminals, pins or (200mm long)
wire terminations



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: 75 cNm (dependent on option)
- Maximum panel thickness 12 mm (Prominent), 10 mm (Flush)

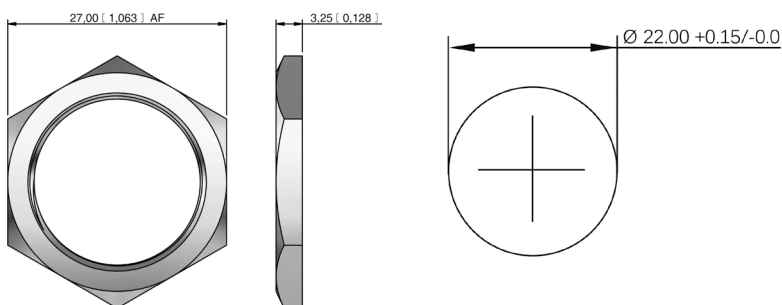


MATERIALS

- Plated brass bezel finished in bright chrome, black chrome or satin grey and moulded polycarbonate rear body. Plastic bezel in ABS.



MOUNTING



M22 x 1.0 THREAD

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.



Q22 series

Ø22 mm panel mount LED indicators



ELECTRICAL SPECIFICATIONS

STANDARD LED INTENSITY

LED COMPONENT SPECIFICATIONS			
	Prominent and Recessed	Flush	Forward Voltage
HE Red	82 mcd	70 mcd	5.7 V
Green	95 mcd	66 mcd	6.0 V
Yellow	60 mcd	59 mcd	5.9 V
Blue	120 mcd	101 mcd	9.9 V
White	1,000 mcd	150 mcd	3.3 V
Bi-color (Typical) (Red/Green)	80/50 mcd	80/50 mcd	2.0 V/2.2 V
Tri-color (Typical) (Red/Green/Yellow)	80/50/50 mcd	80/50/50 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.

SUPER BRIGHT LED INTENSITY

LED COMPONENT SPECIFICATIONS			
	Prominent and Recessed	Flush	Forward Voltage
HE Red	465 mcd	800 mcd	5.7 V
Green	245 mcd	980 mcd	9.0 V
Yellow	365 mcd	1,250 mcd	6.0 V

- 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.

Voltage	Operating Voltage	Operating Current
	(Min to Max)	(Typical All Types)
05 (No Resistor)	3.3 to 9.9 VDC	40 mA max*
12 VDC	10.8 to 13.2 VDC	40 mA
24 VDC	21.6 to 26.4 VDC	40 mA
28 VDC	25.2 to 30.8 VDC	40 mA
110 VAC	99 to 121 VAC	5 mA
220 VAC	207 to 235 VAC	3 mA

* Customer to supply resistor for desired operating current.

ADDITIONAL INFORMATION ON LED COMPONENTS

- 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 28 VDC
- The tri-color led has red and green leds when both are connected yellow is produced

Q22 series

Ø22 mm panel mount LED indicators



BUILD YOUR PART NUMBER

Q	_____	_____	_____	_____	_____
SERIES	MOUNTING HOLE	BEZEL STYLE	TERMINALS	BEZEL FINISH	
	22 Ø22mm	<p>Metal</p> <p>P Prominent</p> <p>R Recessed</p> <p>F Flush</p> <p>Y Chamfer*</p> <p>Plastic</p> <p>PP Prominent</p> <p>FP Flush</p>	<p>1 Solder Lug/ Fastons (2.8 x 0.8)</p> <p>4 Rear epoxy Pins</p> <p>5 Rear epoxy Wires</p> <p>6 Short body Pins</p> <p>7 Short body Wires</p>	<p>Metal</p> <p>C Bright Chrome</p> <p>B Black Chrome</p> <p>G Satin Grey</p> <p>S Stainless Steel</p> <p>Plastic</p> <p>BP Black</p>	<p>Anodized Flush</p> <p>AR Red</p> <p>AG Green</p> <p>AY Yellow</p> <p>AB Blue</p> <p>AN Black</p>
		* bezel finish : only with option "S" and "Anodized Flush"			
_____	_____	_____	_____	_____	_____
TYPE OF ILLUMINATION	LED COLOR	LED COLOR	VOLTAGE	SEALING	OPTIONS
<p>XX Fixed Light</p> <p>KK Flashing Light (only 12VDC)</p> <p>YY Bi-color</p> <p>ZZ Tri-color</p>	<p>R Red</p> <p>G Green</p> <p>Y Yellow</p> <p>B Blue</p> <p>W White</p> <p>SR Super Bright Red</p> <p>SG Super Bright Green</p>	<p>SY Super Bright Yellow</p> <p>RG Red/Green</p> <p>RY Red/Yellow</p> <p>GY Green/Yellow</p> <p>RYG Red/Yellow/Green</p>	<p>02 no resistor*</p> <p>06 6VDC</p> <p>12 12VDC</p> <p>12A 12VAC/DC</p> <p>24 24VDC</p> <p>24A 24VAC/DC</p> <p>28 28VDC</p> <p>28A 28VAC/DC</p> <p>110 110VAC</p> <p>220 220VAC</p>	<p>(Blank) Unsealed</p> <p>E IP67</p>	<p>DL Daisy Chain</p> <p>LT Lamp Test</p>



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, 22 AWG UL1007, red wire denotes anode (+), black wire denotes cathode (-) for other wire lengths consult APEM
 - For leds with alternative voltages please consult Apem
 - 110 VAC and 220 VAC, short body terminal options, 5, 6 and 7 please consult the factory
 - Take care when soldering to the faston terminals (recommended solder temperature 300 °C - 3 sec)
 - Pin and Wire options are epoxy sealed at the rear of the bezels, termination options 4 and 5
 - 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
 - Daisy chaining option - has negative (Cathode) terminals linked (3 x Fastons), solder lugs only
 - Lamp test facility option 4 x solder lug/Faston only
 - We recommend using superbright leds for use at 110 VAC and 220 VAC

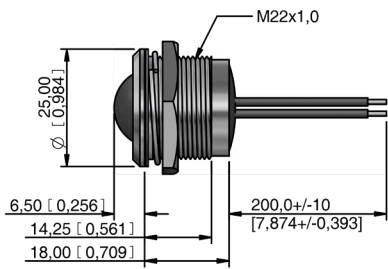
Q22 series

Ø22 mm panel mount LED indicators

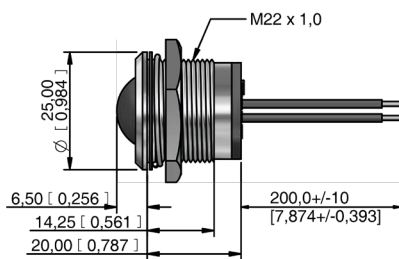
PROMINENT BEZEL



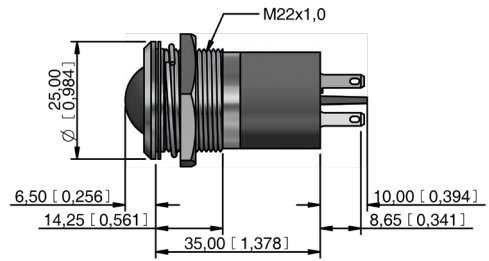
REAR EPOXY WIRES



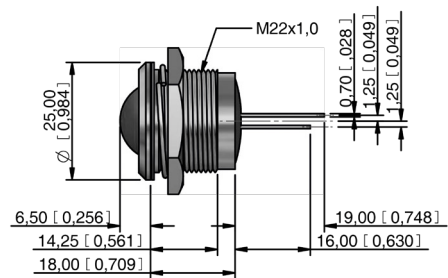
SHORT BODY WIRES



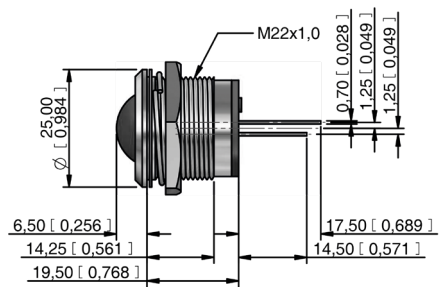
SOLDER LUG/FASTON



REAR EPOXY PINS



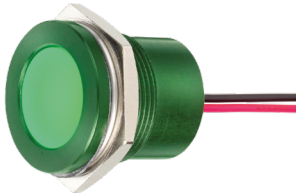
SHORT BODY PINS



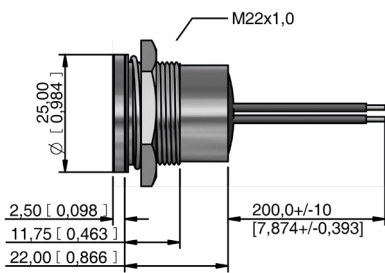
Q22 series

Ø22 mm panel mount LED indicators

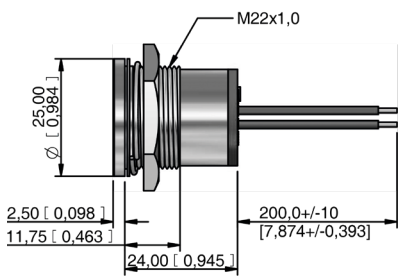
FLUSH BEZEL



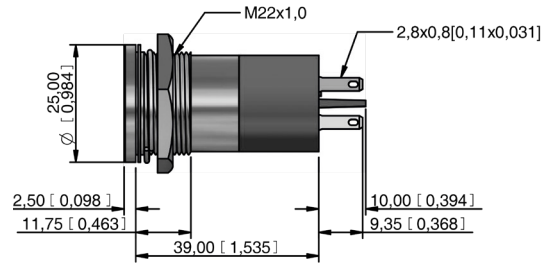
REAR EPOXY WIRES



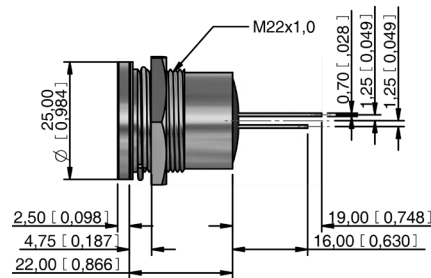
SHORT BODY WIRES



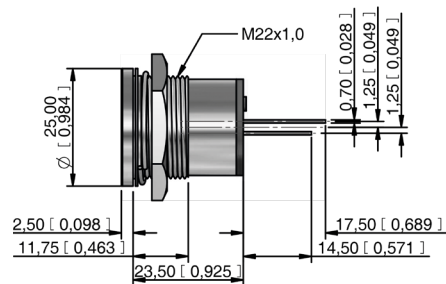
SOLDER LUG/FASTON



REAR EPOXY PINS



SHORT BODY PINS



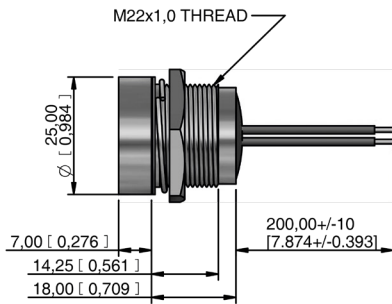
Q22 series

Ø22 mm panel mount LED indicators

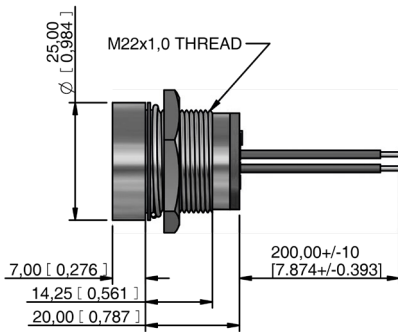
RECESSED BEZEL



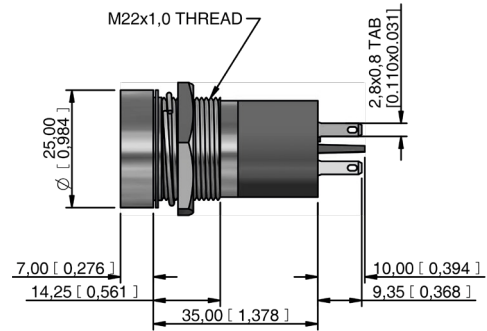
WIRES



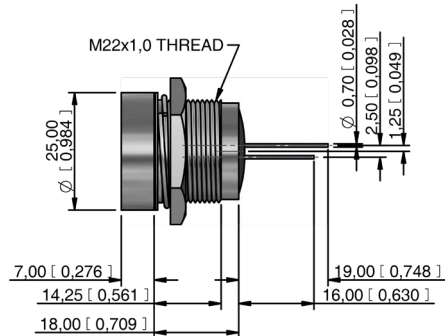
REAR EPOXY WIRES



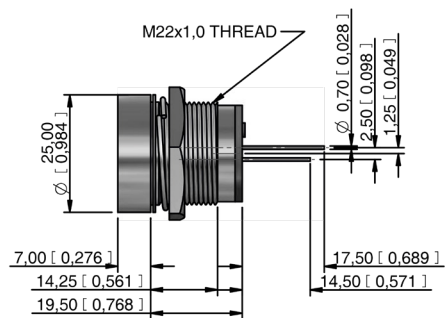
SOLDER LUG/FASTON



PINS



REAR EPOXY PINS

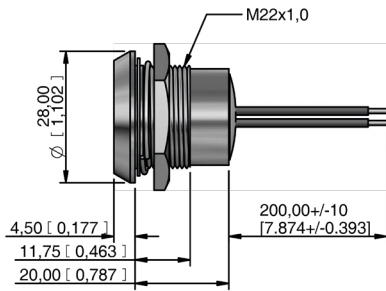


CHAMFER BEZEL

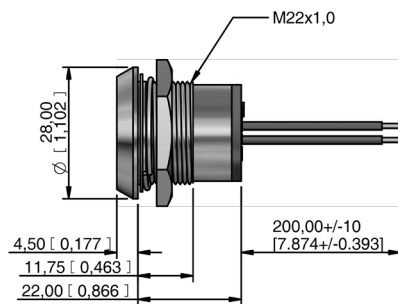
(316L STAINLESS STEEL AND ANODIZED ALUMINIUM ONLY)



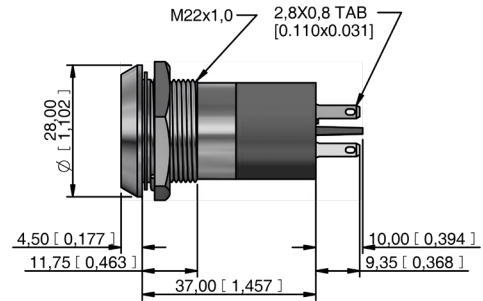
WIRES



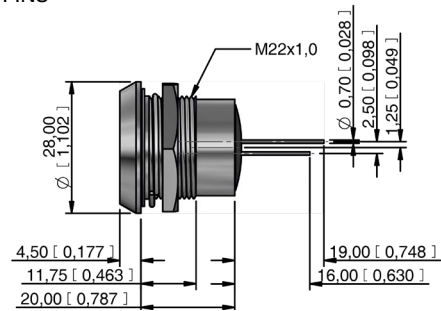
REAR EPOXY WIRES



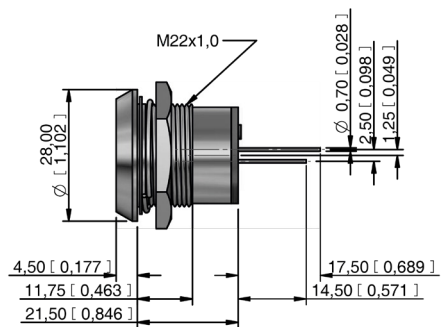
SOLDER LUG/FASTON



PINS



REAR EPOXY PINS




























Q22 series

Ø22 mm panel mount LED indicators

CUSTOM ENGRAVING

Some common codes are listed above, for your custom requirements please contact APEM.
Unless specified standard engraving with white infill will be supplied.
Suffix the part number with legend code :

						
High beam -0AJ	Low beam -097	Rear fog -027	Front fog -026	Windscreen wiper -021	Windscreen washer -022	Ventilator fan -023
						
Turn Signal -0AH	Side lights -098	Horn -041	Hazard warning -013	Heating -018	Brake test -0BU	Arrow -0K6
						
Battery -0AG	Oil can -0GP	Windscreen heating -020	ABS -086	Engine coil -0EL	Seat belt -0SB	USB connection -0BU
						
Steam -0ST	ECU -0EU	Side step -0AD	Air con -012	Engine -040	Boot/Trunk Release -0BR	



Q22 series

Ø22 mm panel mount LED indicators



SECRET UNTIL LIT POLYCARBONATE INSERTS

Some common codes are listed above, for your custom requirements please contact APEM. Please note Secret until lit inserts only available with flush metal bezel (Option F)
Suffix the part number with legend code :

 Turn signal -3AH	 Hazard -313	 Oil can -3GP	 Battery -3AG	 Rear fog -327	 Low beam -397	 Brake test -3BU
 Arrow -3K6	 High beam -3AJ	 Park brake -3PB	 Side lights -398	 Seat belt -3SB	 Type pressure -3TP	 Check engine -3CE
 Engine temperature -3EC	 Fuel -3FP	 BRAKE FAILURE Brake failure -3BF	 Off	 On		



CABLE LENGTH AND CONNECTOR



For custom cable length and connectors contact APEM.