



ENGLISH

Datasheet

RS PRO Indicator

Stock No: See below chart



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 (200 mm long) wire terminations



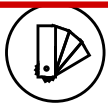
ENVIRONMENTAL SPECIFICATIONS

- 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

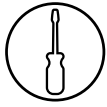
- Max Reverse Voltage: 5 V
- Viewing Angle: 30–100° (dependant on model)
- Life Expectancy: 100,000 hours
- Torque: 75 cNm
- Maximum panel thickness 7 mm



MATERIAL

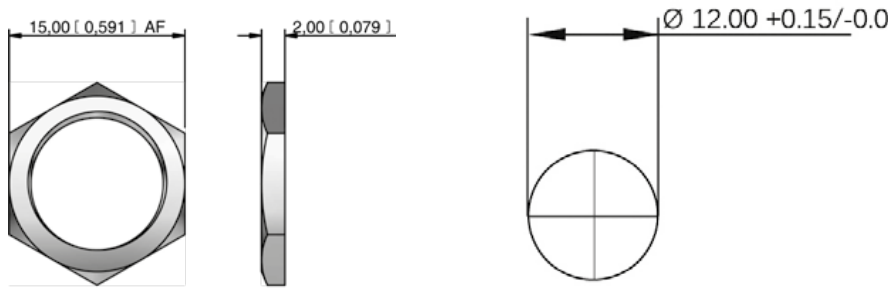
S

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



MOUNTING

G



M12 x 0,75 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.



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

Voltage	Operating Voltage (Min to Max)	Operating Current (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.

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.



Q12 series

Ø12 mm panel mount LED indicators

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	1,500 mcd	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	1,900 mcd	1,120 mcd	2.2 V
Green	3,500 mcd	1,560 mcd	3.3 V
Yellow	1,600 mcd	1,120 mcd	2.0 V
Orange	4,300 mcd	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.

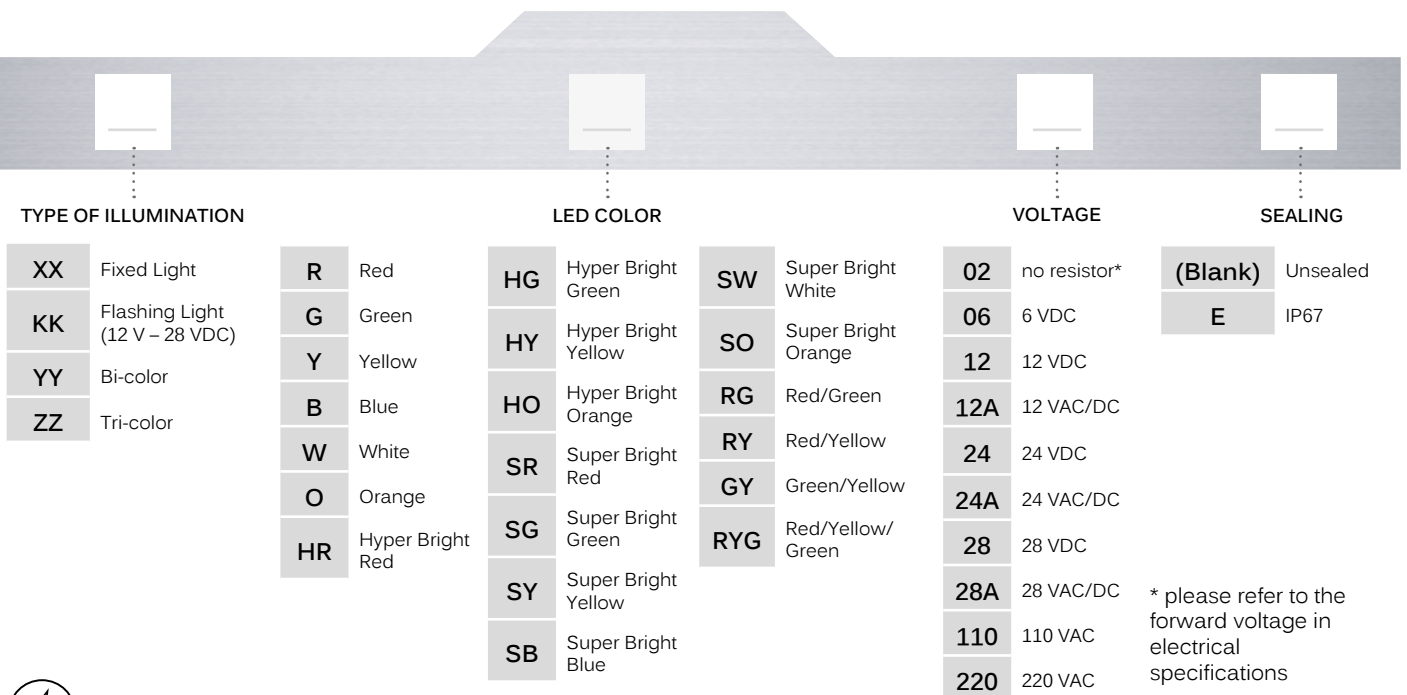
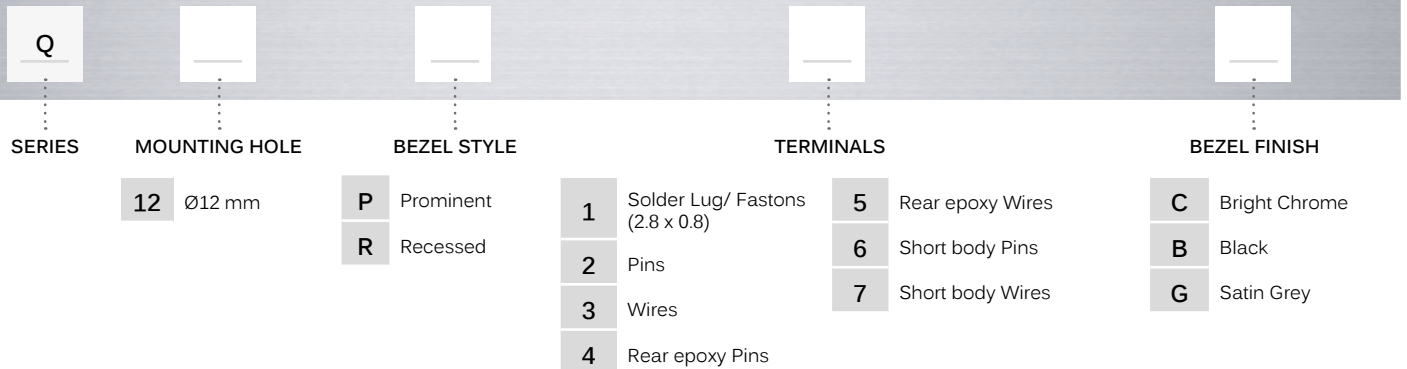
Q12 series

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, 24 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, only available with terminal options 1, 3 and 5
- 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



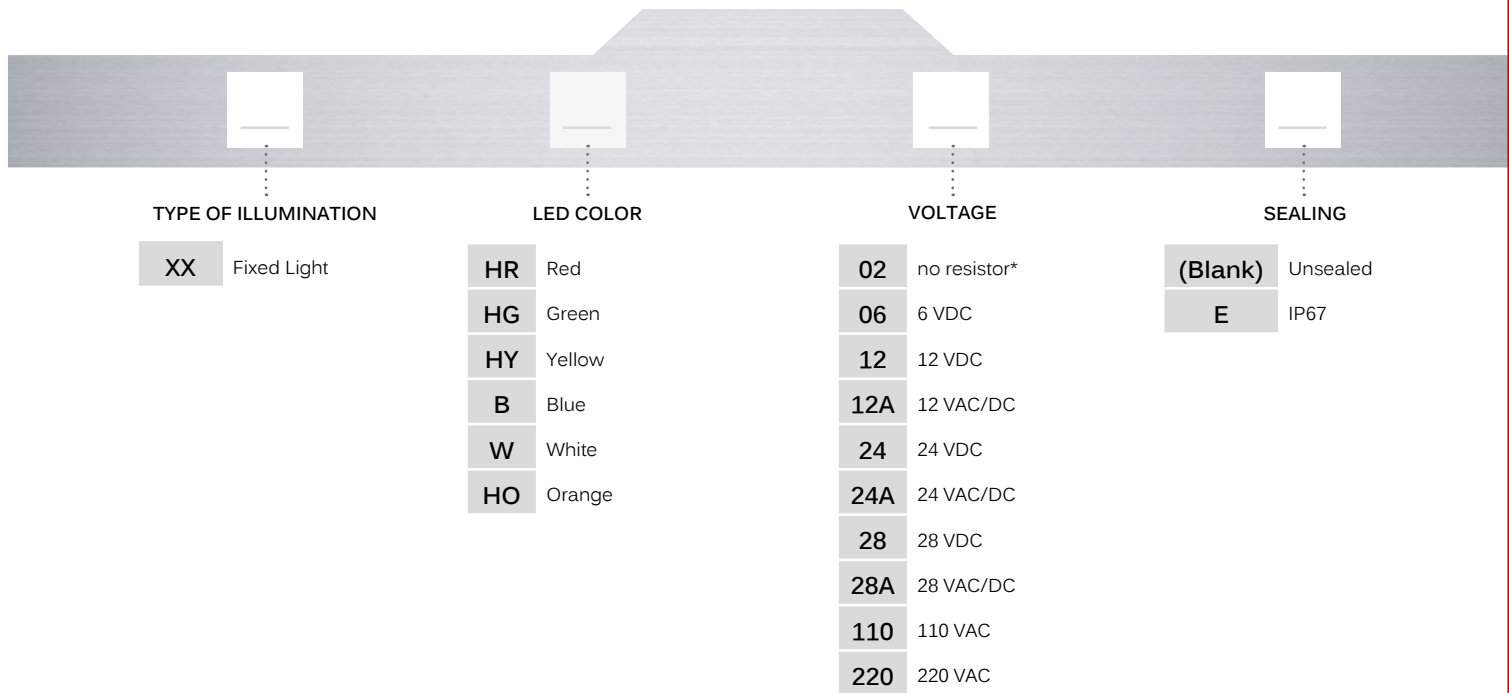
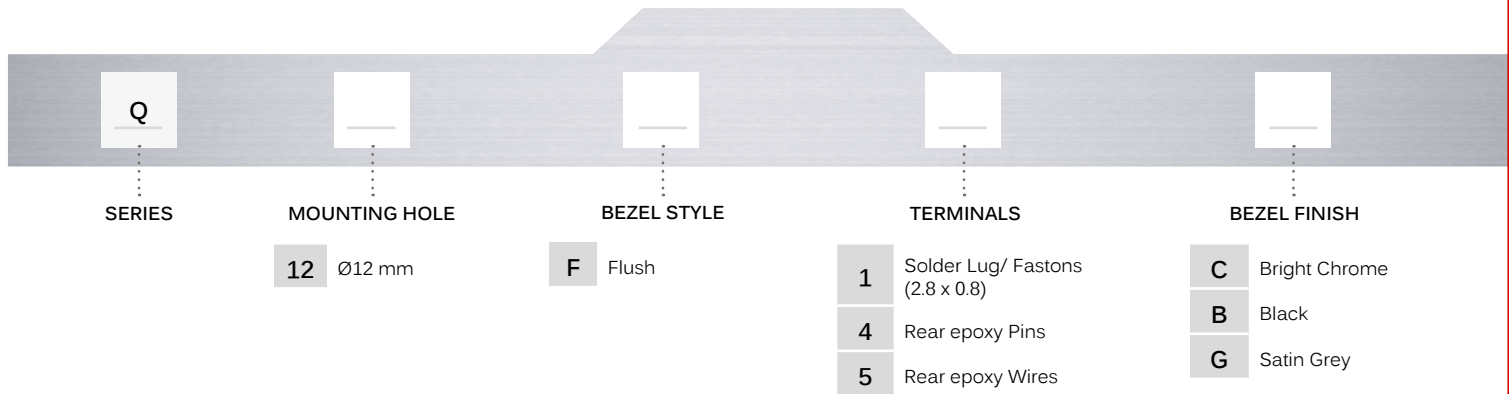
Q12 series

Ø12 mm panel mount LED indicators



BUILD YOUR PART NUMBER

FLUSH BEZEL



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 please consult Apem
- Take care when soldering to the faston terminals (recommended solder temperature 300 °C - 3 sec)
- Body options 2 and 6 are only available without integral resistor (02).
- 110VAC and 220VAC only available with solder lug/Faston terminals

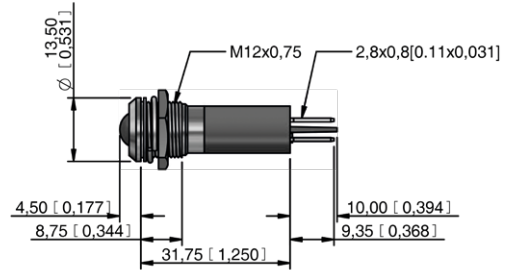
Q12 series

Ø12 mm panel mount LED indicators

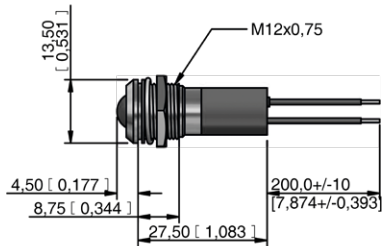
PROMINENT BEZEL



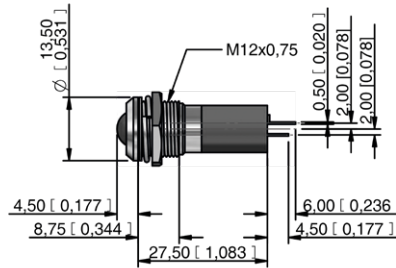
SOLDER LUG/FASTON



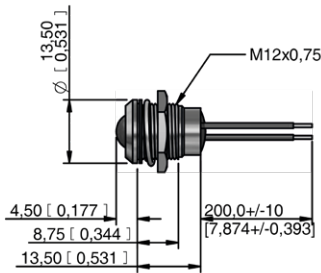
WIRES



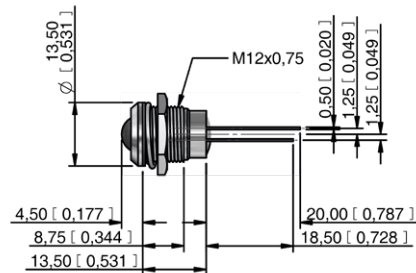
PINS



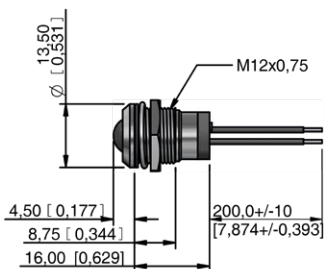
REAR EPOXY WIRES



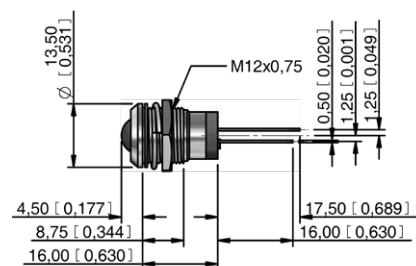
REAR EPOXY PINS



SHORT BODY WIRES



SHORT BODY PINS



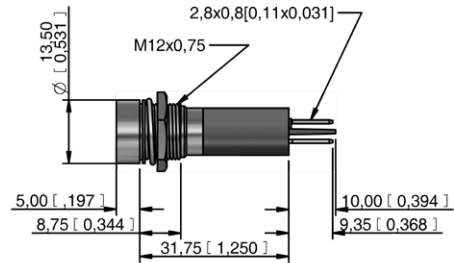
Q12 series

Ø12 mm panel mount LED indicators

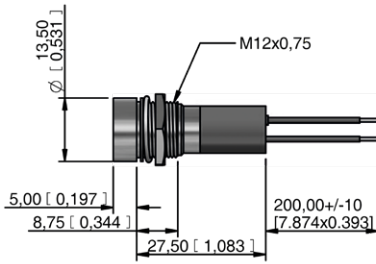
RECESSED BEZEL



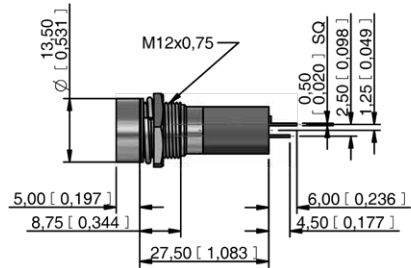
SOLDER LUG/FASTON



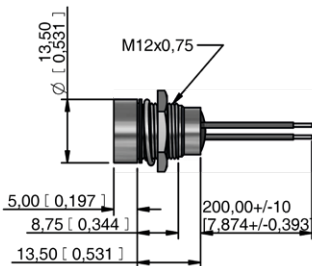
WIRES



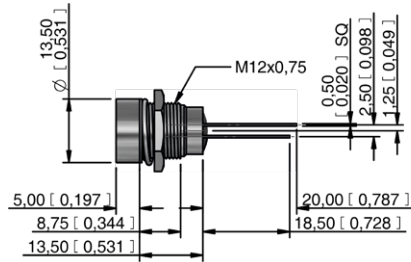
PINS



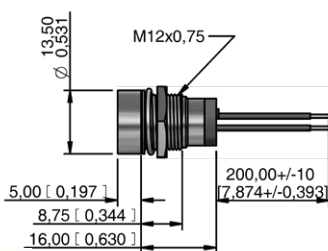
REAR EPOXY WIRES



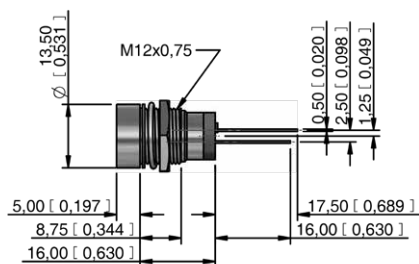
REAR EPOXY PINS



SHORT BODY WIRES



SHORT BODY PINS



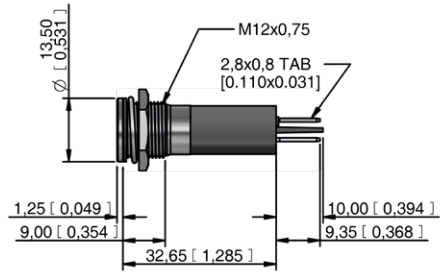
Q12 series

Ø12 mm panel mount LED indicators

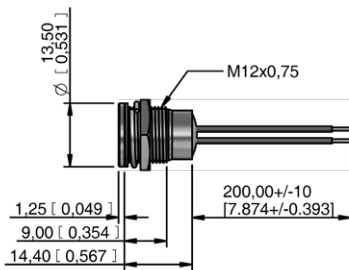
FLUSH BEZEL



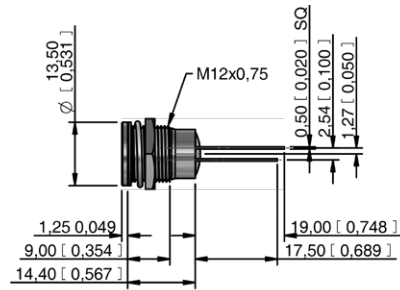
SOLDER LUG/FASTON



REAR EPOXY WIRES



REAR EPOXY PINS



RS Stock N	Colour
1246412	Yellow
1246413	Blue
1246414	Blue
1246415	Blue
1246416	Blue
1246417	Blue
1246418	Blue
1246419	Orange
1246420	Orange
1246421	Orange
1246422	Orange
1246423	Orange
1246424	Orange
1246425	White
1246426	White
1246427	White
1246428	White
1246429	White
1246430	White

RS Stock N	Colour
1246395	Red
1246396	Red
1246397	Red
1246398	Red
1246399	Red
1246400	Red
1246401	Green
1246402	Green
1246403	Green
1246404	Green
1246405	Green
1246406	Green
1246407	Yellow
1246408	Yellow
1246409	Yellow
1246410	Yellow
1246411	Yellow