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

Available in RGB



ND-014-1993

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)



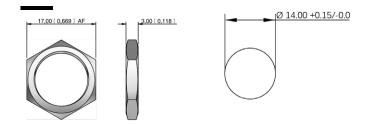
) GENERAL SPECIFICATIONS

- Max Reverse Voltage: 5 V
- Viewing Angle: 30–100° (dependant on model)
- Life Expectancy: 100,000 hours
- Torque: 75 cNm
- Maximum panel thickness 11 mm

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 subject to variations.





Ø14 mm panel mount LED indicators

(4)

) ELECTRICAL SPECIFICATIONS

STANDARD	LED	INTENSITY	
		IN LIVEIN	

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	INTEN	JSITY

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

RGB LED INTENSITY

ITEM	SYMBOL	CONDITION	TYP.
DC Forward Voltage	V _F (R)	IF=20 mA	2.1
	V _F (B/G)	IF=20 mA	2.1
Luminous Intensity	lv (Red)		220 mdc
	lv (Green)		500 mdc
	lv (Blue)		100 mdc

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

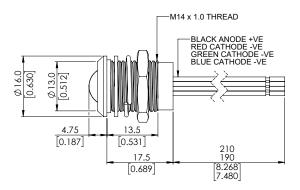
* Customer to supply resistor for desired operating current.

ADDITIONNAL INFORMATION ON LED COMPONENTS

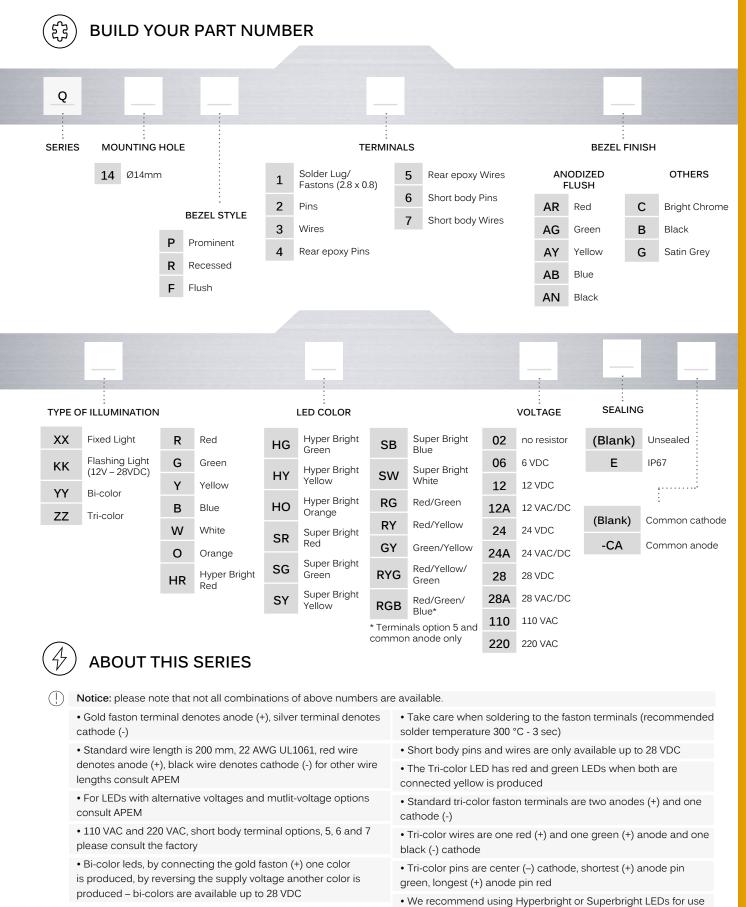
- The operating voltage must not be exceeded by more that 10% as this will result in reduced life expectancy
- Luminous intensity is measured at 20 mA on a discrete led unless otherwise stated.
- Luminous intensities and color shades of white LEDs may vary within a batch.
- Luminous intensity will be reduced with lower operating current.



REAR EPOXY WIRES FOR RGB OPTION



Ø14 mm panel mount LED indicators



at 110 VAC and 220 VAC

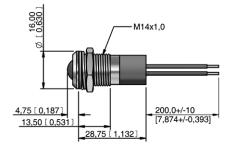
V D E N

Ø14 mm panel mount LED indicators

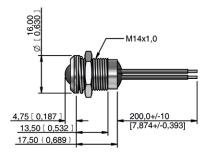
PROMINENT BEZEL



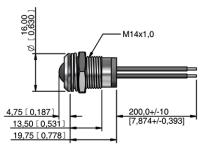
WIRES

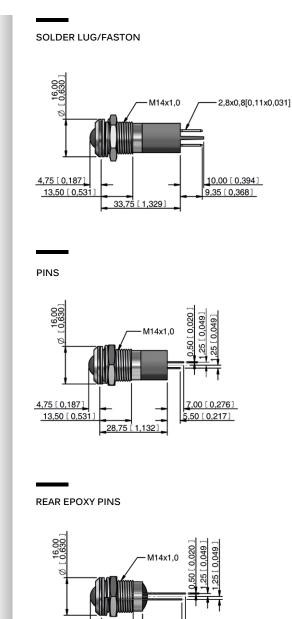


REAR EPOXY WIRES



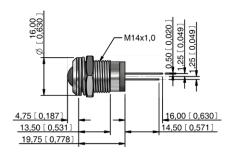
SHORT BODY WIRES





<u>4.75[0,187]</u> <u>13,50[0,531]</u> <u>17,50[0,689]</u> <u>16,75[0,659]</u>

SHORT BODY PINS

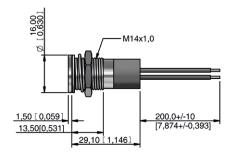


Ø14 mm panel mount LED indicators

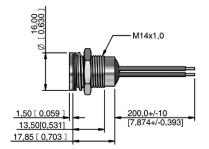
FLUSH BEZEL



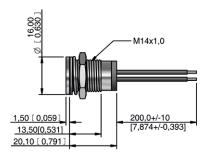
WIRES



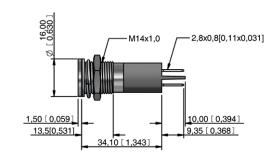
REAR EPOXY WIRES



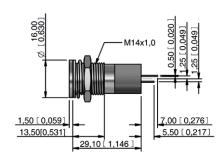
SHORT BODY WIRES



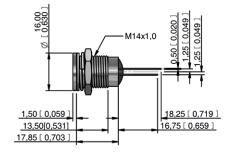
SOLDER LUG/FASTON



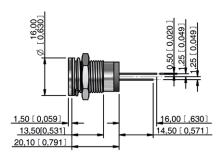
PINS



REAR EPOXY PINS



SHORT BODY PINS

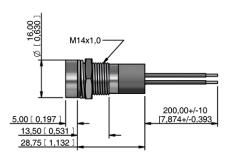


Ø14 mm panel mount LED indicators

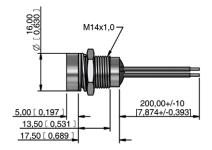
RECESSED BEZEL



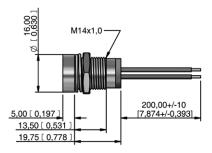




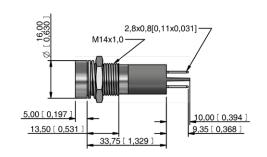
REAR EPOXY WIRES



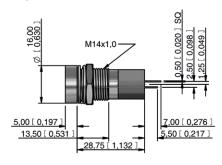
SHORT BODY WIRES



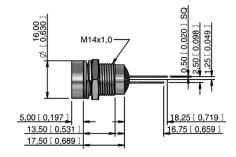
SOLDER LUG/FASTON







REAR EPOXY PINS



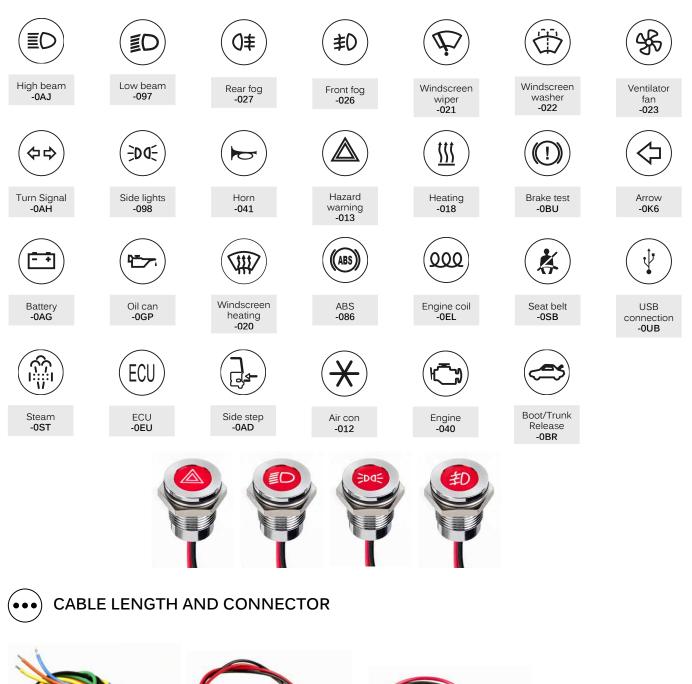
SHORT BODY PINS

Ø14 mm panel mount LED indicators

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 :



For custom cable length and connectors contact APEM.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for LED Panel Mount Indicators category:

Click to view products by Apem manufacturer:

Other Similar products are found below :

607-3232-140F 821-0331-503 FL2870C8R FL2950WL7B FL2950WL8G FL589WL8R FL67C8R H8630FBBA3 NL177WL2A NL177WL3G NL276C2A NL2950BWL3G NL589WL2R NL67C2C NL67C3R C480AABG3 PB22BM41K PB22SIM40Y PB22SKRS31KC L32R-R2-2311 L3353-MWRG L39UR-R24-2111 L58D-G2-W L58D-Y2-W L59D-R12-W L59UD-R12-W L625DG L625DR LE177WL39007 LE2950BWL39018 LH1048BSWL3702 LH1048BWL3702 LH382A LH677G LHM628A FL276WL7R FL2950BWL7R FL2950WL7R FL2950WL8R FL2950WL8R-12 FL2951WL8G FL2951WL8R FL589C7R FL67WL8G MPC5BCW18.0 556-1605-808F 556-1705-809F 556-3008-839F 558-0201-818F 559-0001-813F