Ø8 and Ø14 mm rear panel mount • NVIS LED indicators

DISTINCTIVE FEATURES

NVIS Green A, NVIS Green B, NVIS Yellow, NVIS Red, NVIS White NVIS compliant to MIL Std 3009

200 mm wire for Ø 8 and 14 mm or rigid pin (1.00 mm) for Ø8 mm terminations



MD ORMANIA DE

ENVIRONMENTAL SPECIFICATIONS

- IP67 sealing option (EN60529)
- Operating Temperature Range: -40 °C to +85 °C (–40 °F to +185 °F)
- Storage Temperature Range: -55 °C to +100 °C (-67 °F to +212 °F)



GENERAL SPECIFICATIONS

- Max Reverse Voltage: 5 V
- Viewing Angle: 60°

LED Color

NW1S Green A

NW1S Green B

NW1S Yellow Class A

NW1S Yellow Class B

NW1S Red

NW1S White

- Life Expectancy: 100,000 hours
- Max Panel Thickness: 3.5 mm
- Torque: Ø8 mm: 60 cNm Ø14 mm: 75 cNm

) ELECTRICAL SPECIFICATIONS

Voltage	Operating Voltage	Operating Current
	(Min to Max)	(Typical All Types)
02 (No Resistor)	2.1 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





NVIS Radiance NVIS Chromoticity Dominant Wavelength MCD Output NRA ≤ 1.7eE-10 @ 0.1fL r ≤ .037 530 nm 150 mcd NRA ≤ 1.7eE-10 @ 0.1fL r ≤ .057 555 nm 150 mcd 5.0E-8 ≤ NRA ≤ 1.5E-7 @ 15fL r ≤ .083 150 mcd

585 nm

605 nm

(x).33 (y).33

150 mcd

110 mcd

150 mcd

r ≤ 0.83

r ≤ .060

r ≤ .40

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The company reserves the right to change specifications without notice.

4.7E-8 ≤ NRB ≤ 1.47E-7 @ 15fL

4.7E-8 ≤ NRB ≤ 1.4E-7 @15 fL

NRA ≤ 1.0E-9 @ 0.1fL

LED characteristics are dependent upon environmental conditions. Therefore published data should be considered nominal and subject to variations.

Forward Voltage

3.3 V

3.3 V

3.3V

3.3 V

2.1 V

3.3 V

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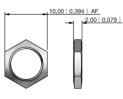


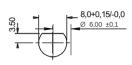
ELECTRICAL SPECIFICATIONS (CONTINUED)

- 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.

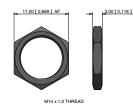


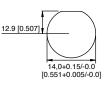
Ø8 MM









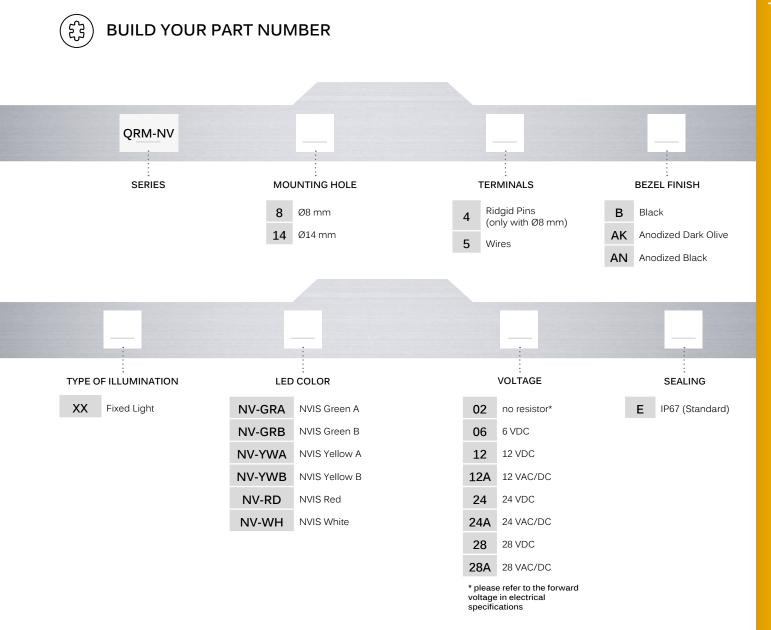


D MATERIALS

- Body: Black plated brass or anodized aluminum
- Lock Washer: Spring steel
- Nut: Black plated brass
- Terminal Seal: Epoxy
- Panel Seal: Nitrile O-ring
- Wires: Ø8 mm: 24 AWG Approved to UL1213 Ø14 mm: 22A WG - Approved to UL1007

ED INDICATORS

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(4)

ABOUT THIS SERIES

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

- 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 alternate voltages and multi-voltage options consult APEM.
- Take care when soldering (recommended solder temperature 270°C 2 sec).
- Suitable for the toughest environment and compliant to MIL standard specification

Ø8 and Ø14 mm rear panel mount • NVIS LED indicators

Ø8 MM REAR MOUNT - PINS TERMINALS



Ø8 MM REAR MOUNT - WIRES TERMINALS



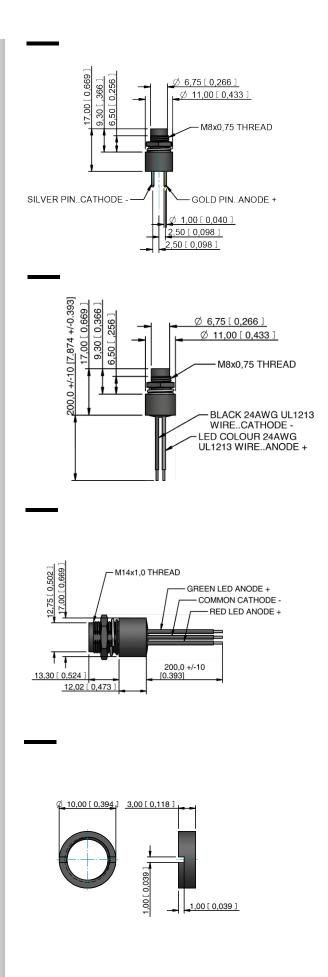
Ø14 MM REAR MOUNT - WIRES TERMINALS



HARDWARE - CYLINDRICAL DRESS NUTS - FOR Ø8 MM ONLY



P/N : AUK0001



Ø8 and Ø14 mm rear panel mount • NVIS LED indicators

HARDWARE - KNURLED DRESS NUTS - FOR Ø8 MM ONLY



P/N : AUK0002

10,20 [0,401



