Ø8 and Ø14 mm rear panel mount • NVIS LED indicators



MD ORMAN 1885

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



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°
- 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 Type:		
02 (No Resistor)	2.1 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	



LED COMPONENT SPECIFICATIONS						
LED Color	NVIS Radiance	NVIS Chromoticity	Dominant Wavelength	MCD Output	Forward Voltage	
NW1S Green A	NRa ≤ 1.7eE-10 @ 0.1fL	r≤.037	530nm	150mcd	3.3V	
NW1S Green A	NRA ≤ 1.7eE-10 @ 0.1fL	r≤.057	555nm	150mcd	3.3V	
NW1S Yellow Class A	5.0E-8 ≤ NRA ≤ 1.5E-7 @ 15fL	r≤.083	-	150mcd	3.3V	
NW1S Yellow Class B	4.7E-8 ≤ NRB ≤ 1.47E-7 @ 15fL	r≤0.83	585nm	150mcd	3.3V	
NW1S Red	4.7E-8 ≤ NRB ≤ 1.4E-7 @15 fL	r ≤ .060	605nm	110mcd	2.1V	
NW1S White	NRA ≤ 1.0E-9 @ 0.1fL	r ≤ .40	(x).33 (y).33	150mcd	3.3V	

The company reserves the right to change specifications without notice.

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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



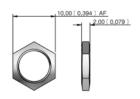
MATERIALS

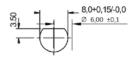
- Body: Black chrome plated brass or anodized aluminum
- Lock Washer: Spring steel
- Nut: Black chrome plated brass or anodized aluminum
- Terminal Seal: Epoxy
- Panel Seal: Nitrile O-ring
- Wires: Ø8 mm: 24 AWG Approved to UL1213 Ø14 mm: 22A WG - Approved to UL1007



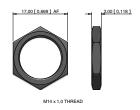
MOUNTING

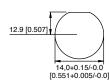
Ø8 MM







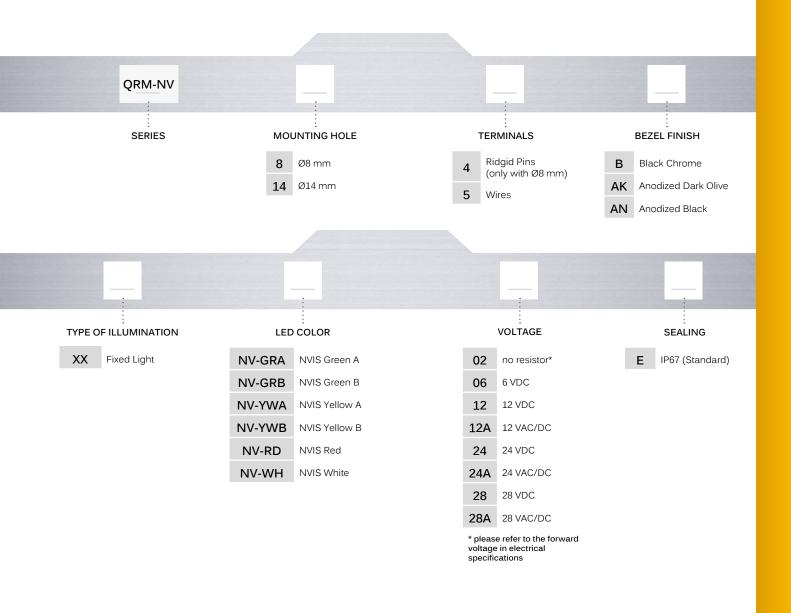




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BUILD YOUR PART NUMBER





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

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Ø8 MM REAR MOUNT - PINS TERMINALS



Ø8 MM REAR MOUNT - WIRES TERMINALS



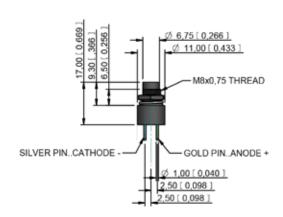
Ø14 MM REAR MOUNT - WIRES TERMINALS

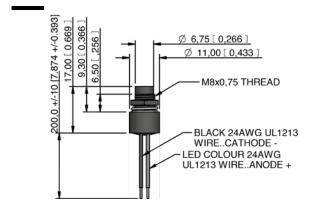


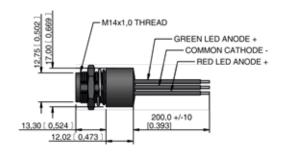
HARDWARE - CYLINDRICAL DRESS NUTS - FOR $\emptyset 8$ MM ONLY

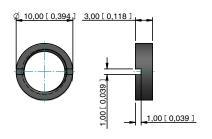


P/N: AUK0001









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HARDWARE - KNURLED DRESS NUTS - FOR Ø8 MM ONLY



P/N: AUK0002

