3-POSITION ANALOG OUTPUT SNAP-IN ROCKER WITH BACKLIGHTING





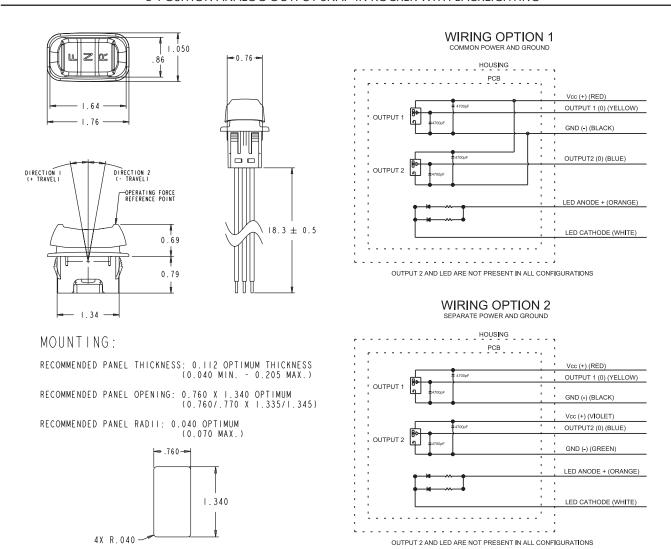
The HFNR is compact, robust and reliable, ideal for grip or panel mount applications. This 3-position switch provides operator comfort by reducing the movement required to change direction or switch gears. Backlighting provides enhanced visibility; making them easy to see in poor lighting or nighttime operation. The electronics are sealed to IP68S, the switch has excellent EMI/RFI immunity, and a mechanical life of three million cycles.

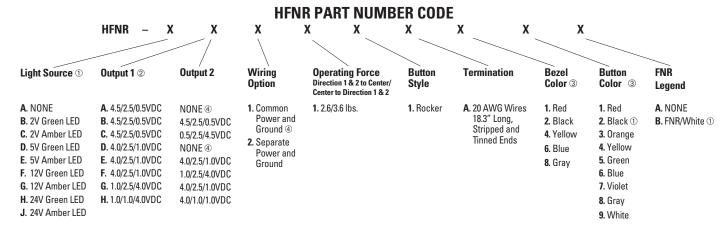
Features:

- 3 million cycle life, full forward to full backward
- Hall effect contactless sensing technology
- Choice of bezel and button colors
- 2V to 24V LED backlighting options
- **Electronics sealed to IP68S**
- **Outstanding EMI/RFI immunity**
- Snap-in panel mounting—accepts multiple panel thicknesses
- **RoHS** compliant

| Standard Characteri | istics/Rati | ngs: | | | | |
|--|---|-----------------|------------|------|-------|--|
| MECHANICAL: | | | | | | |
| Mechanical Life: 3,000,000 full forward to full back | | | | | | |
| Angle of Throw Between | Adjacent Po | ositions: 10 d | egrees typ | ical | | |
| Max Allowable Radial L | oad: 30.0 lbs | i. | | | | |
| ELECTRICAL RATINGS: | , | | | | | |
| Flectrical | | Units | Min | Тур | Max | |
| Supply Voltage | | VDC | 4.5 | 5 | 5.5 | |
| Output Voltage, Tolerance at Center | | VDC @ 5V Vcc | -0.35 | N/A | +0.35 | |
| Output Voltage, Tolerance at Full Travel | | VDC @ 5V Vcc | -0.35 | N/A | +0.35 | |
| Supply Current Per Sensor | | mA | N/A | N/A | 10 | |
| ELECTRONICS: | | | | | | |
| Seal: | Electronics sealed to IP68S | | | | | |
| ENVIRONMENTAL: | | | | | | |
| Operating Temp Range: | -40°C to +85°C | | | | | |
| Humidity: | 96% RH, 70°C, 96 hours | | | | | |
| Vibration: | Per MIL-810F minimum integrity | | | | | |
| EMI: | Withstand per SAE J1113 (contact factory for details) | | | | | |
| RFI: | Withstand per SAE J1113 (contact factory for details) | | | | | |
| MATERIALS: | | | | | | |
| Button: | Thermoplastic | | | | | |
| Bezel: | Thermoplas | Thermoplastic | | | | |
| Mounting Hardware: | None provided | | | | | |

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- ① Only button color black is available on backlit version; only legend color translucent white is available on backlit version.
- ② Outputs are when switch is in detented position.
- ③ Minimum lot charges may apply for certain color options.
- For single output switches, wiring option 1 should be selected.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

OTTO:

<u>HFNR-AC211A22B HFNR-GC111A22B HFNR-AB111A22B HFNR-CC111A22B HFNR-JB111A22B HFNR-BB211A22B HFNR-EC111A22B HFNR-BB211A22B HFNR-AA111A22B HFNR-EA211A22B HFNR-EB211A22B HFNR-GA111A22B HFNR-HC211A22B HFNR-DC211A22B HFNR-DC211A22B HFNR-HC211A22B HFNR-HC111A22B HFNR-HC111A22B HFNR-HB111A22B HFNR-HC111A22B HFNR-HB111A22B HFNR-HC211A22B HFNR-HC211A22B HFNR-HC211A42B</u>