G and EG Barrel

Barrel, Metal with Potted-In Cable - Standard, Stainless Steel

Full Threading

3-Wire DC

10-30 VDC, Short-Circuit and Overload Protected

Normally Open*, NPN (Sinking) or PNP (Sourcing)

Sensor Selection

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<th>Part Number</th>
<th>Embeddable</th>
<th>Rated Operating Distance (mm)</th>
<th>Barrel Diameter (mm)</th>
<th>Sinking</th>
<th>Source</th>
<th>Drawing</th>
<th>Wiring Diagram</th>
<th># of LEDs</th>
<th>FM Approved Division 2</th>
<th>Switching Frequency (Hz)</th>
<th>ID Number</th>
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Note: * Normally Closed versions available upon request, consult factory.

Cable/Conductor

- **Cable:** PVC Jacket; 2 and 7 meter standard length
- **Copper Conductor:** G12: 24 AWG
- **(PVC insulated)** G18/G30: 21AWG

Material

- **6 Barrel/Locknuts:** Chrome Plated Brass
- **EG Barrel/Locknuts:** Stainless Steel
- **Sensing Face:** PA 12-GF30 Plastic
- **End Cap:** PUR Plastic

Accessories

Accessories and mounting devices can be found in Section J.
Specifications

- Ripple: ≤10%
- Differential Travel (Hysteresis): 3-15% (5% typical)
- Voltage Drop Across Conducting Sensor: ≤1.8 V at 200 mA
- Trigger Current for Overload Protection: ≥220 mA
- Continuous Load Current: ≤200 mA
- Off-State (Leakage) Current: <10 μA
- No-Load Current: 5.5-9.5 mA
- Time Delay Before Availability: ≤8 ms
- Power-On Effect: Per IEC 947-5-2
- Reverse Polarity Protection: Incorporated
- Wire-Break Protection: Incorporated
- Transient Protection: Per EN 60947-5-2
- Operating Temperature: -25°C to +70°C (-13°F to +158°F)
- Enclosure: Meets NEMA 1,3,4,6,13 and IEC IP 67
- Shock: 30 g, 11 ms
- Vibration: 55 Hz, 1 mm Amplitude in all 3 Planes
- Repeatability: ≤2% of Rated Operating Distance
- LED On: Output Energized

Wiring Diagrams

- A: NPN (Sinking)
- B: PNP (Sourcing)

Dimensions

- 1
- 2
- 3
- 4
- 5
- 6