

# DJ3 - Proximity Sensor Inductive



## Operation Manual

Ideal proximity sensor for detecting metal in front of its sensing surface with its flush-mount sensing head.

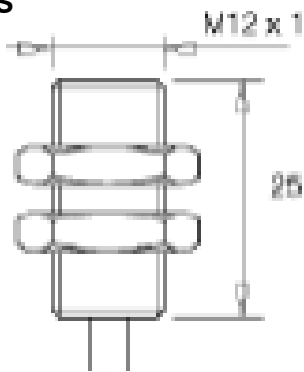
Features a pre-wired 6.5' foot cable assembly with an IP67, compact nickel-plated brass housing. Its two wire, NAMUR output enables the DJ3-G to be utilized in a myriad of heavy industrial and automated environments.

- Nickel-plated brass housing
- Sensing distance: 2 mm
- Flush type
- Short body version
- Power supply: 8 VDC
- Output: NAMUR
- 2 m silicone cable



NAMUR output, 2 kHz frequency, 6.5' (2 m) cable, 0.08" (2 mm) sensing distance, 8 VDC power input, NEMA 6 (IP67) rating housing for flush mounting in metal.

### DIMENSIONS



### SPECIFICATIONS

**Rated Operational Voltage (UB):** 8 VDC

**Ripple:** ≤ 10%

**Rated Operational Current (Ie) Continuous:** Activated: < 1.1 mA  
Not activated: > 2.2 mA

**Frequency of op. Cycles (f):** 2 kHz

**Effective Operating Dist. (Sr):**  $0.9 \times S_n \leq S_r \leq 1.1 \times S_n$

**Usable Operating Dist. (Su):**  $0.85 \times S_r \leq S_u \leq 1.15 \times S_r$

**Ambient Temperature:** Operating: -25° to +120°C (-13° to +248°F); Storage: -30° to +125°C (-22° to +257°F)

**Connection:** Cable, silicone, 2 m, AWG 26

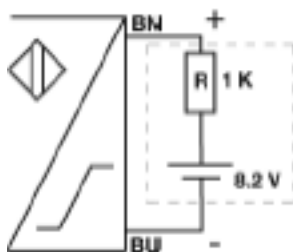
**Degree of Protection:** IP 67 (NEMA 1, 3, 4, 6, 13)

**Housing Material:** Nickel-plated brass

**Dimensions:** See diagram

**Certification:** CE

### WIRING DIAGRAM



<p><i>To avoid interference from inductive voltage/current peaks, separate the prox. switch power cables from any other power cables, e.g. motor, contactor or solenoid cables</i></p>	<p><i>Relief of cable strain</i></p> <p>Incorrect</p> <p>Correct</p> <p>The cable should not be pulled</p>	<p><i>Protection of the sensing face</i></p>	<p><i>Switch mounted on mobile carrier</i></p>
--	--	--	--

## SEALS USA, Inc.