The Mini-Bin provides reliable level sensing for dry bulk solids where mounting space is limited. This compact, side mount control reports high, intermediate, and low level conditions, eliminating overflows, choking, clogs or empty vessels. Model DBLM Mini-Bin operates by using a 1 rpm synchronous motor to rotate a four vane, plastic paddle. When material surrounds paddle and impedes rotation, the motor is de-energized and triggers a SPDT snap switch. Mount the Mini-Bin with optional 1-1/4” to 3/4” reducer to replace standard size units.

**FEATURES**
- Thin profile capacitive level sensor
- Withstands electrostatic discharge up to 40 KV
- Sensing distance: 0.039 to 0.39” (1 to 10 mm)
- Teach-in of sensing distance via push-button or wire-input
- Selectable make or break switching by means of teach-in function
- Protection: Short-circuit, transients and reverse polarity
- Alarm output
- Alarm output when operating current > 250 mA

**SPECIFICATIONS**
- Service: Solids, liquids, or slurries.
- Temperature Limits: Operating temperature: -20 to 80°C (-4 to 176°F); Storage temperature: -40 to 185°F (-40 to 85°C).
- Repeatability: 5%
- Power Requirements: 10 to 30 VDC (ripple incl.).
- Switch Type: NPN or PNP.
- Electrical Rating: 200 mA (continuous).
- Rated Operating Distance (S): 0.39” (10 mm).
- Sensing Range: 0.039 to 0.39” (1 to 10 mm) (factory set at 10 mm).
- Sensitivity Effective Operating Distance (Sr): Adjustable (teach-in) 0.9 x S ≤ Sr ≤ 1.1 x S.
- Usable Operating Distance (Su): 0.8 x S ≤ Su ≤ 1.2 x S.
- Hysteresis: Depending on teach-in.
- Ripple: ≤ 10%.
- No-load Supply Current: ≤ 12 mA.
- Voltage Drop: ≤ 2.5 VDC @ max load.
- Protection: Short-circuit, reverse polarity, transients.
- Frequency of Operating Cycles: 10 Hz.
- Indication: For output ON: LED, yellow; For safe/unsafe: LED, green.
- Connection: Cable: 6.5´ (2 m), 4 x 0.14 mm², oil proof, PVC.
- Weight: 50 g.
- Approvals: CE.