Diaphragm Switch B314

Technical Information:

- **Applicability:** Universal, also for liquids at maximum pressure of 1 bar
- **Housing:** Pressure casting AISi
- **Installation:** Mounting to the silo wall or loose mounting inside the silo (Part Number 800303/ IP65 required) Diaphragm mounting ring (accessories) mounted for sealing the housing, and pressure equalization and cable insertion is performed by an on-site supplied PG16
- **Diaphragm:** EPDM, food safe, 120mm Ø
- **Responsivity:** Adjustable approx. 50 – 250g central, respectively approx. 15 – 80mm WS pressure onto the diaphragm
- **Flooding consistency:** max. 1kg/cm²
- **Environmental temperature:** -15 °C to 100°C
- **Micro switch:** 1 switch interface
- **Switching power:** 230VAC 3A, 24VAC 5A, 24VDC 2A
- **Weight:** approx. 1.05 kg

**Specialized types:** Special diaphragm B314 IP65, B314F fruit acid resistant

Sketch:

- Bohrungen in der Silowand für Anbau

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Diaphragm Switch AD311

Technical Information:

- **Applicability:** For large silos and rough activity
- **Housing:** Aluminum pressure casting
- **Installation:** Use as full, empty and required-amount detector, for dust and powder-forming bulk material, just like for granulated bulk material with a granulation of 100mm and an apparent specific gravity from 0.3 to 2.5t/m³.
- **Methods of mounting:** Factory made as attachment
- **Diaphragm:** Standard Viton; optional: Stainless steel
- **Responsivity:** adjustable approx. 100 – 300g, especially 200 – 300g (stainless steel).
- **Environmental temperature:** -20 °C to 150°C, -30 °C to 200°C (stainless steel).
- **Switching power:** Maximum 8A at 250V
- **Cable gland:** PG11
- **Protection:** IP53 upon installation air balancing filter to the bottom, otherwise, IP40.

**Sketch:**

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Diaphragm Switch AD320 ATEX

Technical Information:

- **Applicability:** ATEX Protection Zone 20/21
- **Housing:** Aluminum pressure casting
- **Installation:** Use as full, empty and required-amount detector, for dust and powder-forming bulk material, just as granulated bulk material with a granulation of 100mm and an apparent specific gravity from 0.3 to 2.5t/m³
- **Responsivity:** adjustable approx. 200 – 500g, (stainless steel).
- **Environmental temperature:** -20 °C to 60°C
- **Switching power:** Maximum 4A at 250V, 2A with inductive and capacitive loads
- **Protection:** IP65 upon installation
- **Weight:** 1.0kg

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**Sketch:**
Diaphragm Switch