



- Stainless steel spindle with double ball bearing for long time use.
- Continuously torque adjustment
- LED status information
- Light metal pressure casting
- Maintenance free

The Rotary Paddle Switches **B324MS** and **B324MS A20** are universal filling level limit value switches which can be used for almost all kinds of bulk material. The switches can be used also in facilities which are occasionally experiencing under or over pressure.

The equal flange dimensions provide the possibility for mounting at the same location instead of the membrane switch B314 the rotary paddle switch B324.

#### Mounting Types:

Because of the thread part G1 1/2"A, which is 68mm in length and the mounting set B327 it is possible to mount the switches onto thick container walls.

The flange mounting with O-ring-sealing enables to cover a container opening of 120mm Ø.

The rotary paddle switch B324 can be used as detector for liquid levels (full or empty). It is possible to mount the switch onto the wall or ceiling. If installed vertically an elongation pipe B326 (1m) or rope elongation B329 (3m) can be used which can be shortened arbitrarily.

#### Function:

The engine-driven rotary paddle is stopped by the bulk material which leads to the movement of the micro switches. After release of the rotary paddle the engine continues and the micro switches return to their original position.

#### Technical data

For dry and non-adhesive bulk material.  
 Power Supply:  
 24 VDC multi-voltage  
 24 VAC 50-60 Hz  
 90-230 VAC 50-60 Hz  
 Internal consumption: 3.5VA  
 Ambient temperature: for housing -15°C to +50°C  
 for rotary paddle and spindle-15°C to +60°C  
 Mounting: Screwing Thread G 1 1/2"A (ISO 228) or Flange  
 Axial stress of the spindle: max. 680N  
 Lateral stress of the spindle: max. 200N  
 Air overpressure in the container: max. 0.5bar  
 Number of revolutions of the spindle: 6U/min  
 Overload protection: Slide coupling in the gear box  
 Housing: light metal pressure casting AlSi8 Cu3  
 Protection type: IP65  
 Cable insertion: M20x1.5  
 Spindle and Rotary Paddle: stainless steel  
 Exit (Micro Switch): 1 Shift interface potential free  
 Switching Capacity: 250V~, 10A cos phi=1  
 250V~, 3A cos phi=0,3  
 24V~, 2A  
 Mechanical durability Micro switch: Max. 5 000 000  
 Operation cycles  
 Accessories (must be ordered separately):  
 B326 elongation pipe 1m (possible to be shortened), stainless steel,  
 B327 mounting set 1 nut G 1 1/2" (SW 58) + 1 sealing B328 Flange sealing (O-Ring), 120x5 Perbunan  
 B329 3m rope elongation (possible to be shortened), stainless with mounting set and rotary paddle.  
 Weight: 1.4 kg

