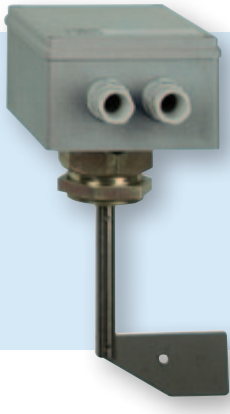


Compact rotary paddle switch

RotaFox® MLS 10



- For bulk solids
- Universal use in silos and tanks
- Switching output for connection of additional equipment
- Can be used for maximum or minimum alarms



Application Rotary paddle switch for detection of levels of bulk solids with a minimum density of 100 g/dm³. Suitable for use in silos and tanks.

Description RotaFox® MLS 10 is a universal level switch. The sensor and the control unit form a unit. The rotary paddle is driven by a synchronous motor via a reduction gear. When the free rotation of the paddle is impeded by material covering the paddle, a micro contact disconnects power to the motor and a second micro contact generates an alarm signal. RotaFox® MLS 10 can transmit the signal to external equipment such as flaps, sliders, pumps, visual or audible alarm units (e.g. alarm lamp, horn or event reporting system EMS). When the level drops and the paddle is released, the motor restarts and rotates the paddle.

Technical specifications

Minimum density of medium

100 g/dm³

Operating temperature range

Ambient

Control unit: -20/+60 °C

Rotary paddle: -20/+80 °C

Process pressure

Atmospheric pressure

Process connection

G1½B

Paddle shaft

Stainless steel 303, including dust seal

Length 140 mm

Speed of rotation of paddle

5 rpm

Load on the rotary paddle

Max. 250 N on the shaft (lateral)

Max. 120 N on the shaft tip

Mechanical service life

500,000 switchings

Supply voltage

AC 230 V

Power input

3.5 VA

Switching output

Microswitch: 1 voltage-free changeover contact

Contact rating: AC 250 V, 4 A (resistive load)

Response delay

Approx. 1 s

Housing

Impact-resistant plastic (ABS)

W x H x D: 104 x 65 x 144 mm

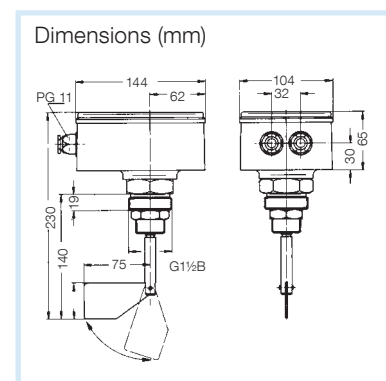
Degree of protection: IP 55 (EN 60529)

Electrical connections

2 x cable gland PG 11

Options

- Longer paddle shaft (max. 1,000 mm)



DG: E	Part no.	Price €
MLS 10 Paddle shaft 140 mm	56100	
MLS 10 Paddle shaft 500 mm	56116	
MLS 10 Paddle shaft 750 mm	56117	
MLS 10 Paddle shaft 1,000 mm	56118	