

# Point level switch Soliswitch FTE31 Rotary paddle switch

Simple mechanical mechanism, extremely robust and cost-effective point level switch for bulk solids



from **€413.64**

Price as of 28.11.2022

More information and current pricing:

[www.de.endress.com/FTE31](http://www.de.endress.com/FTE31)

## Benefits:

- Reliable and economical paddle switch
- Highest safety standard for dust-explosion-hazardous areas
- Diverse instrument designs for use under different application conditions
- Slip clutch prevents impact on paddle
- Ingress protection to IP 65 / NEMA 4x / Type 4x for optimum safety in the process

## Specs at a glance

- **Process temperature** -20 °C ... 80 °C (-4 °F ... 170 °F)
- **Process pressure / max. overpressure limit** 0.5 bar to 1.5 bar (7 psi to 22 psi)
- **Min. density of medium**  $\geq 100$  g/l

**Field of application:** The economical Soliswitch FTE31 is a paddle switch for point level detection in bulk materials. Its robust polymer housing and compact design makes it an ideal sensor for full, empty and demand alarm in applications with bulk solids. The optimized materials make the unit outstandingly robust and therefore suitable for use in dust explosive areas.

## Features and specifications

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**Point Level / Solids****Measuring principle**

Paddle

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**Characteristic / Application**

universally applicable as a full, empty and demand alarm on silos containing solids

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**Specialities**

Hinged paddle for retro-fitting

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**Supply / Communication**

230V 50/60 Hz

115V 50/60 Hz

48V 50/60 Hz

24V 50/60 Hz

20 to 28 VDC

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**Ambient temperature**

-20 °C ... 60 °C (-4 °F ... 140 °F)

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**Process temperature**

-20 °C ... 80 °C (-4 °F ... 170 °F)

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**Process pressure / max. overpressure limit**

0.5 bar to 1.5 bar (7 psi to 22 psi)

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**Min. density of medium**

&gt;= 100 g/l

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**Main wetted parts**

Shaft: 1.4435

Paddle: 1.4435

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**Process connection**

Threaded boss - thread NPT 1 1/4" or NPT 1 1/2"

Point Level / Solids

**Sensor length**

Standard:

75 mm (3")

100 mm (4")

200 mm (8")

300 mm (12")

400 mm (16")

500 mm (20")

600 mm (24")

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**Communication**

Relay

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**Certificates / Approvals**

FM DIP Cl.II,III, Div.1 Gr.EFG

CSA DIP Cl. II,III, Div.1, Gr.EFG

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**Application limits**

max. grain size 50 mm (2")

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