



Fill level measurement

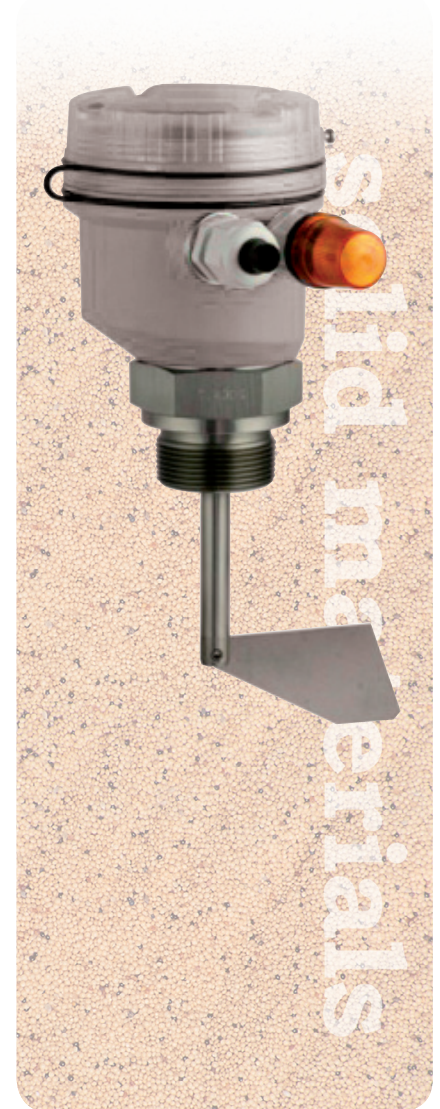
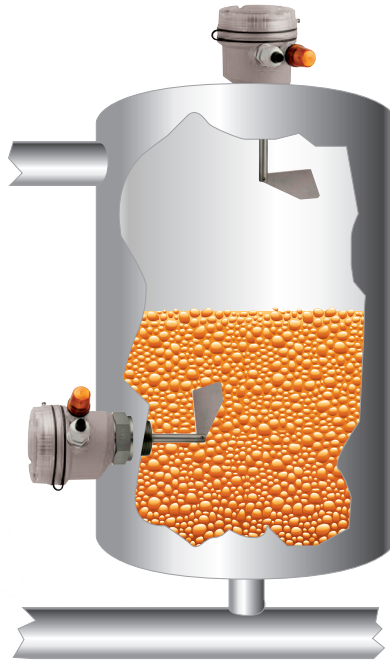


Type:
Silocont SIC-350

Rotary paddle switch for solids; simple mechanism, extremely robust and cost-effective; medium temperature: -20...+80°C; pressure: 0,5...2,5 bar abs.

Description

The economical Silocont SIC-350 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 polymers make the unit outstandingly robust and therefore suitable for use in dust explosive areas according the latest standards.



Application

- Safety comes first - Overfill prevention with an automatic rotation monitoring system
- Optical rotation control for a fast and easy check either for installation or for trouble shooting
- Extremely robust polymer housing with the latest dust Ex certification for ATEX, FM and CSA

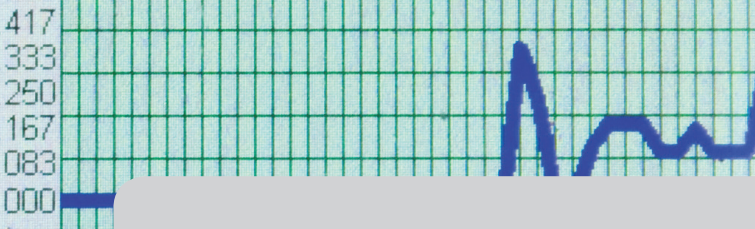
Your benefits

- Cost savings over the whole life cycle: quick installation; fast trouble shooting concept without the need of demounting; best price performance ratio in the market
- Adjustment to weight of solids without the need for tools
- Housing can be rotated 360° to enable optimal alignment following installation

Specials



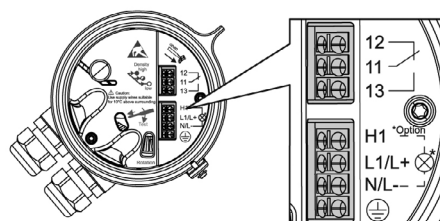
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Technical data

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Measuring Principle:	Paddle
Characteristic / Application:	universally applicable as a full, empty and demand alarm on silos containing solids
Supply / Communication:	230 VAC 50/60 Hz; 115 VAC 50/60 Hz; 24 VAC 50/60 Hz; 20 bis 28 VDC
Ambient temperature:	-20 °C ... 60 °C (-4 °F ... 140 °F)
Process temperature:	-20 °C ... 80 °C (-4 °F ... 170 °F)
Process pressure absolute / max overpressure limit:	0.5 bar to 1.8 bar (7 psi ... 25 psi)
Min. density of medium:	>= 80 g/l
Main wetted parts:	1.4305
Max. tensile strength:	Rope version >1500N
Process connection:	NPT 1 1/2", PBT; NPT 1 1/4", PBT; G 1 1/2", PBT; NPT 1 1/2", 1.4305; NPT 1 1/4", 1.4305; G 1 1/2", 1.4305
Sensor length:	75 mm (3"); 100 mm (4"); 120 mm (4 3/4"); 200 mm (8"); 300 mm (12"); Rope length of approx 2000 mm (80"), can be shortened
Output:	Micro switch with changeover contact max. 10 A/250 VAC
Certificates / Approvals:	ATEX II 1/3 D; CSA DIP/ II, III/1/E-G (requested!); FM DIP/ II, III/1/E-G
Options:	Rotation Monitoring System; Signal Lamp; Fold-away paddle; Weather protection cover
Specialities:	Rotation Monitoring System; Fold-away paddle
Components:	HAW569 Surge arrester

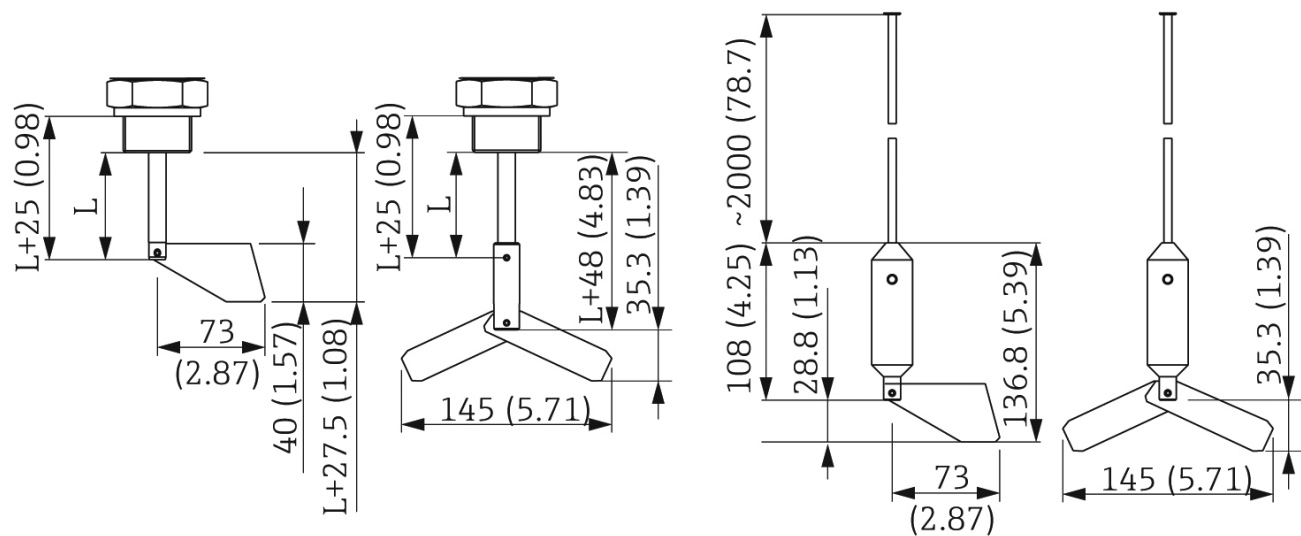
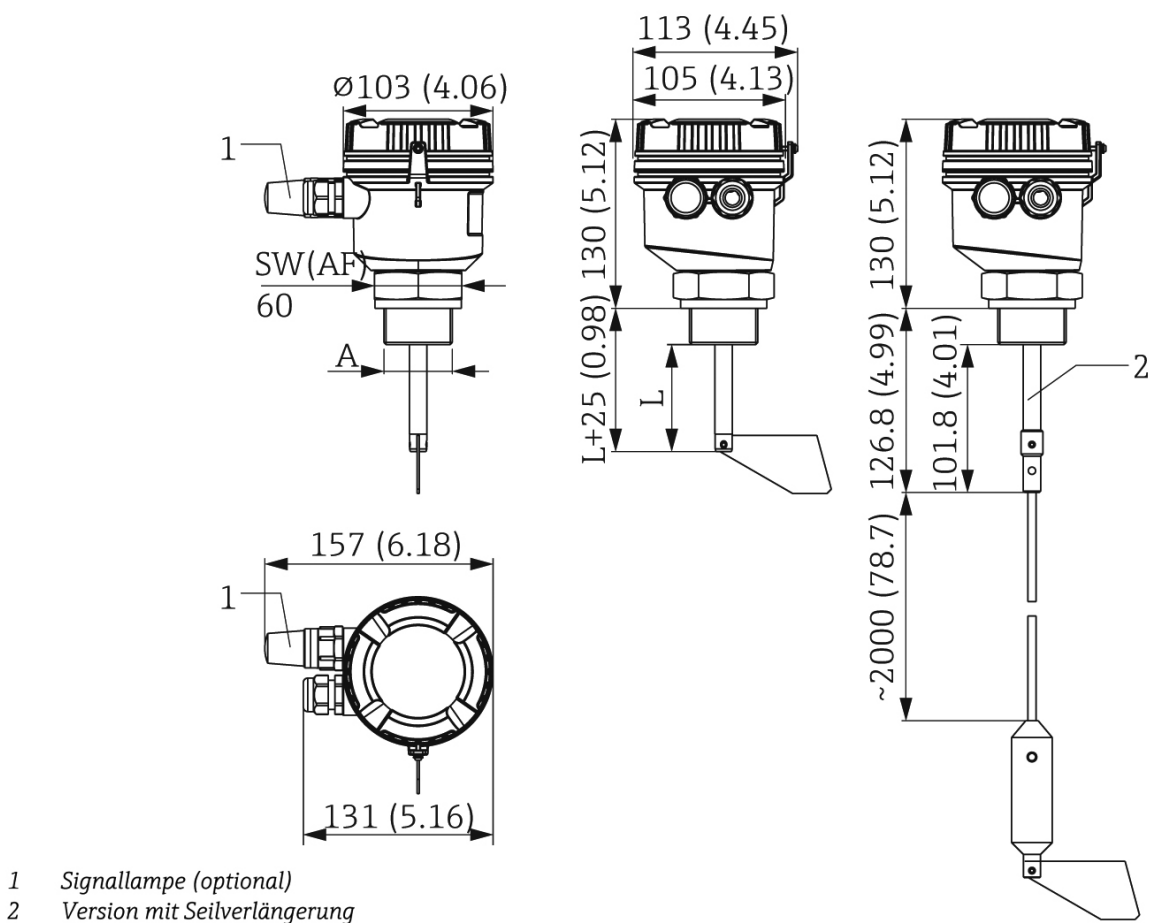
Connection



⊕
N (AC), L- (DC)
L1 (AC), L+ (DC)
H1 N/L-

protective conductor
auxiliary power
auxiliary power
Connection for signaling the
empty / full message (optional)
changeover
break contact
work contact

11
12
13



Abmessungen je nach Variante		
A	Prozessanschluss	NPT 1¼", NPT 1½", G 1½"
L	Länge der Welle	75...300 mm (2,95...11,81 in)

Order code

Licence

- AA Non-Ex-area
- BI ATEX II 1/2D Ex ta/tb IIIC Da/Db (signal lamp not possible with Ex)
- CC CSA DIP/ II, III/1/E-G
- FC FM DIP/ II, III/1/E-G

Process connection; material

- 11 Thread NPT 1-1/2", PBT
- 12 Thread NPT 1-1/4", PBT
- 13 Thread G 1-1/2", PBT
- 14 Thread NPT 1-1/2", 303
- 15 Thread NPT 1-1/4", 303
- 16 Thread G 1-1/2", 303
- 99 Special version

Model; length

- AA Spindle, 75mm
- AB Spindle, 100mm
- AC Spindle, 120mm
- AD Spindle, 200mm
- AE Spindle, 300mm
- AF rope, 2000mm, can be shortened
- AY Special version

power supply

- 1 20-28VDC
- 2 24VAC
- 3 115VAC
- 4 230VAC
- 9 Special version

Measuring blade; material

- 1 Standard; 304
- 2 Foldable; 304
- 3 Special version.

NN

- CA Inklusive rotation monitoring (increased safety)
- C0 Without rotation monitoring

Equipment mounted

- NA Signal lamp (NOT WITH EX)
- N9 Special version.
- 00 Without equipment.

Order code

SIC-350

NN CA

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