



## Pressure sensors Level Probe

LFH-SBX40G1AS20SZ0



**Model Name** > LFH-SBX40G1AS20SZ0  
**Part No.** > 6040945



*Product may differ  
from illustration*

#### At a glance

- Immersion depth up to 100 m
- Available with various cable lengths (PUR)
- Measuring ranges from 0...0.25 bar up to 0...10 bar
- Stainless steel membrane
- Output signal 4...20 mA
- Hermetically sealed stainless steel housing with PA protection cap

#### Your benefits

- Enables level measurement under difficult conditions where other measurement technologies fail
- Rugged and reliable through robust mechanical design and high-grade materials
- For cleaning purposes the probe can easily be taken out of the liquid
- No openings required in the wall of the vessel



#### Features

|                      |                   |
|----------------------|-------------------|
| Pressure type:       | Gauge pressure    |
| Measuring range:     | 0 bar ... 0.4 bar |
| Process temperature: | -10 °C ... 50 °C  |
| CE-conformity:       | ✓                 |
| Output signal:       | 4...20 mA         |

#### Performance

|                                                     |                                                                                                                          |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Accuracy:                                           | ≤ +/- 0.5 % (of span)                                                                                                    |
| Non-linearity:                                      | ≤ ± 0.2 % (of span (Best Fit Straight Line, BFSL) according to IEC 61298-2)                                              |
| Long-term drift/one-year stability:                 | ≤ ± 0.2 % Of span (at reference conditions)                                                                              |
| Temperature coefficient in rated temperature range: | Mean TC of span ≤ 0.2 % of span / 10 K, Mean TC of zero: ≤ 0.2 % of span / 10 K (< 0.4 % for pressure ranges ≤ 0.25 bar) |
| Rated temperature range:                            | 0 °C ... 50 °C                                                                                                           |
| Non-repeatability:                                  | ≤ ± 0.1 % of span                                                                                                        |

#### Mechanics/electronics

|                   |                                                                                               |
|-------------------|-----------------------------------------------------------------------------------------------|
| Wetted parts:     | Pressure connection/ diaphragm: Stainless steel, Housing: Stainless steel, Protection cap: PA |
| Enclosure rating: | IP 68                                                                                         |
| Connection type:  | Cable PUR                                                                                     |
| Supply voltage:   | 10 V DC ... 30 V DC                                                                           |

Electrical safety:

Short-circuit protection: QA towards M, Protection class: III, Surge protection: According to EN 61000-4-5 (1.5 J) optional for enhanced variant, Reverse polarity protection: L+ towards M

Dielectric strength:

500 V DC, NEC Class 02 power supply (low voltage and low current max. 100 VA even under fault conditions)

Protection class III:

✓

Weight sensor:

0.18 kg

Weight cable:

0.08 kg/m

CE-conformity:

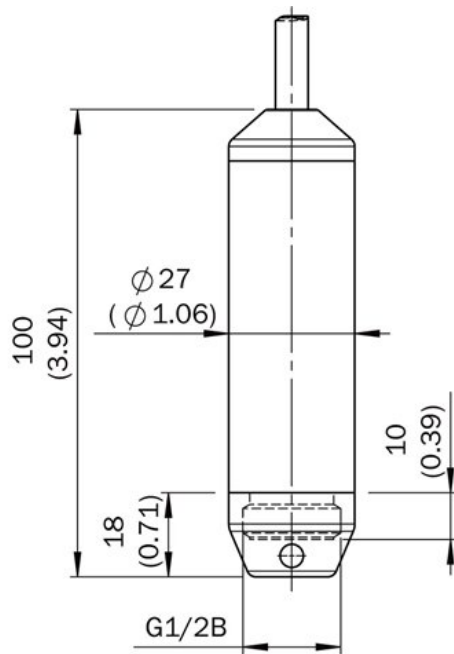
EMC directive: 2004/108/EEC, EN 61326-2-3

#### Ambient data

Storage temperature:

-30 °C ... 80 °C

#### Dimensional drawing



All dimensions in mm (inch)

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