

Product Information

Level Switch SB

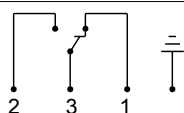


- Mounted in the cover
- Changeover contact

Characteristics

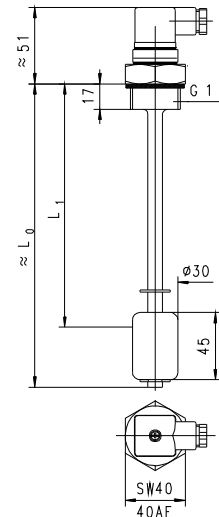
Mechanical level monitor for fluid media with contact-free actuation of a reed contact.

Technical data

| | |
|-------------------------------------|--|
| Switch | reed switch |
| Process connection | male thread G 1 A |
| Density of medium | $\geq 0.35 \text{ g/cm}^3$ |
| Switching value | 60..460 mm, for details see "Dimensions and weights" |
| Tolerance | $\pm 5 \text{ mm}$ |
| Pressure resistance | PN 12 bar |
| Medium temperature | -20..+105 °C |
| Ambient temperature | -20..+55 °C |
| Media | water, oils |
| Wiring | changeover no. 0.280  |
| Switching voltage | max. 230 V AC |
| Switching current | max. 0.5 A |
| Switching capacity | max. 60 VA |
| Protection class | 1 - PE connection |
| Ingress protection | IP 65 |
| Electrical connection | plug DIN 43650-A / ISO 4400 |
| Materials medium-contact | CW614N, Spansil (NBR), bronze, NBR |
| Non-medium-contact materials | PA |
| Weight | refer to table "Dimensions and weights" |
| Installation location | vertical installation position |

Dimensions and weights

| G | Types | L ₀ | L ₁ | Weight kg |
|-------|--------------|----------------|----------------|-----------|
| G 1 A | SB-025HM0100 | 100 | 60 | 0.35 |
| | SB-025HM0200 | 200 | 160 | 0.40 |
| | SB-025HM0300 | 300 | 260 | 0.50 |
| | SB-025HM0400 | 400 | 360 | 0.55 |
| | SB-025HM0500 | 500 | 460 | 0.60 |



Details of float location L₁ mm for density 1 g/cm³
The device is delivered without a seal.

Handling and operation

- It must be ensured that the values given for voltage, current, and power are not exceeded.
- When switched on, a load must be connected in series.
- The electrical details apply to ohmic loads. Capacitive, inductive and lamp loads must be operated using a protective circuit.
- Not suitable for use in media with ferritic particles.

Ordering code

SB -

| | | |
|--------------------------------|------|---------------------------|
| 1. Connection size | 025 | threaded connection G 1 A |
| 2. Process connection | H | screw-in thread |
| 3. Connection material | M | brass |
| 4. Length L₀ | 0100 | 100 mm |
| | 0200 | 200 mm |
| | 0300 | 300 mm |
| | 0400 | 400 mm |
| | 0500 | 500 mm |