

# SCPSDI-010-04-27 SensoControl PressureSwitch SCPSDI

PressureSwitch, pressure measurement range -1 - 10 bar, female thread 1/4", 2 switching outputs; without analogue output, connecting plug M12x1; 4-pole



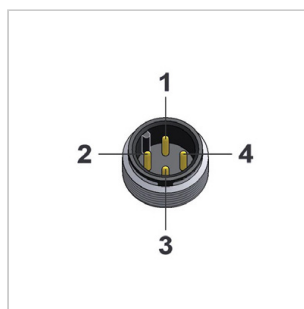
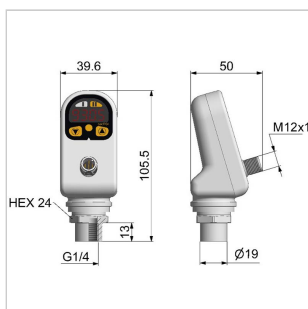
## Product description

The **SCPSDi** is a compact electronic pressure switch featuring a rotatable display and pressure port. It offers up to two switching outputs, an analogue output, and IO-Link for versatile industrial pressure monitoring.

### Features, Advantages, and Benefits

- Rotatable 1/4" thread pressure port and display for flexible installation in confined spaces.
- Two configurable switching outputs and an analogue output.
- Switchable between current or voltage output, and IO-Link interface.
- Internal- thread version uses stainless steel components without seals – ideal for aggressive media.
- Robust metal housing resists moisture, shock, and vibrations.
- Innovative design allows housing rotation over 240° after installation for optimal positioning.
- Beveled display is readable from a distance and can rotate 180° for overhead mounting.
- Maintenance-free and long-term stable.
- User-friendly VDMA-standard menu navigation simplifies setup and parameter adjustment.
- Reliable, precise pressure monitoring in harsh industrial environments.
- Versatile outputs and IO-Link communication enable seamless integration into automation systems.
- Compact size and flexible mounting reduce installation effort and space requirements.

## More images



**Product properties**

|                                   |                                                                                                     |
|-----------------------------------|-----------------------------------------------------------------------------------------------------|
| <b>Connection</b>                 | Female thread 1/4"                                                                                  |
| <b>Pressure measurement range</b> | -1 - 10 bar                                                                                         |
| <b>Electrical connection</b>      | Circular connector M12x1; 4 pin                                                                     |
| <b>Protection</b>                 | IP 67                                                                                               |
| <b>Power supply</b>               | 18...30 VDC                                                                                         |
| <b>Sampling rate</b>              | ? 3 ms                                                                                              |
| <b>Number of outputs</b>          | 2 switching outputs; no analog output                                                               |
| <b>Display</b>                    | 4-digit 7-segment LED; 2-color status indicator for switching state (red/yellow); digit height 8 mm |
| <b>Pressure cycles</b>            | ?10 Mio.                                                                                            |
| <b>Precision</b>                  | ±0,5 % FS                                                                                           |
| <b>Weight in kg</b>               | 0,2172                                                                                              |
| <b>Communication interface</b>    | I/O Link                                                                                            |
| <b>Switching current</b>          | max. 200 mA                                                                                         |
| <b>Working temperature</b>        | -25°C to +100°C                                                                                     |
| <b>Material connection</b>        | Stainless steel 1.4542                                                                              |
| <b>Material body</b>              | Die-cast zinc                                                                                       |

**Dimensions**