

# SCPSDI-004-14-25 SensoControl PressureSwitch SCPSDI

PressureSwitch, pressure measurement range -1 - 4 bar, female thread 1/4", 2 switching outputs; with analogue output for current, connecting plug M12x1; 5-pole



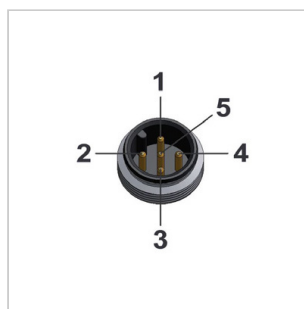
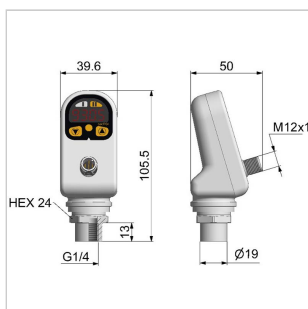
## Product description

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

|                            |                                                                                                     |
|----------------------------|-----------------------------------------------------------------------------------------------------|
| Connection                 | Female thread 1/4"                                                                                  |
| Weight in kg               | 0,25                                                                                                |
| Protection                 | IP 67                                                                                               |
| Power supply               | 18...30 VDC                                                                                         |
| Sampling rate              | ? 3 ms                                                                                              |
| Number of outputs          | 2 switching outputs; with analog output                                                             |
| Output current             | 0/4..20 mA                                                                                          |
| Display                    | 4-digit 7-segment LED; 2-color status indicator for switching state (red/yellow); digit height 8 mm |
| Pressure measurement range | -1 - 4 bar                                                                                          |
| Pressure cycles            | ?10 Mio.                                                                                            |
| Electrical connection      | Circular connector M12x1; 5 pin                                                                     |
| Precision                  | ±0,5 % FS                                                                                           |
| Communication interface    | I/O Link                                                                                            |
| Switching current          | max. 200 mA                                                                                         |
| Working temperature        | -25°C to +100°C                                                                                     |
| Material connection        | Stainless steel 1.4542                                                                              |
| Material body              | Die-cast zinc                                                                                       |

#### Dimensions