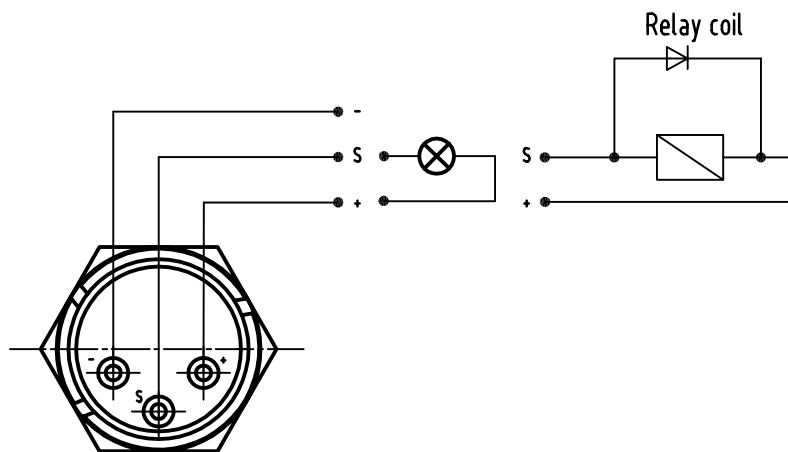
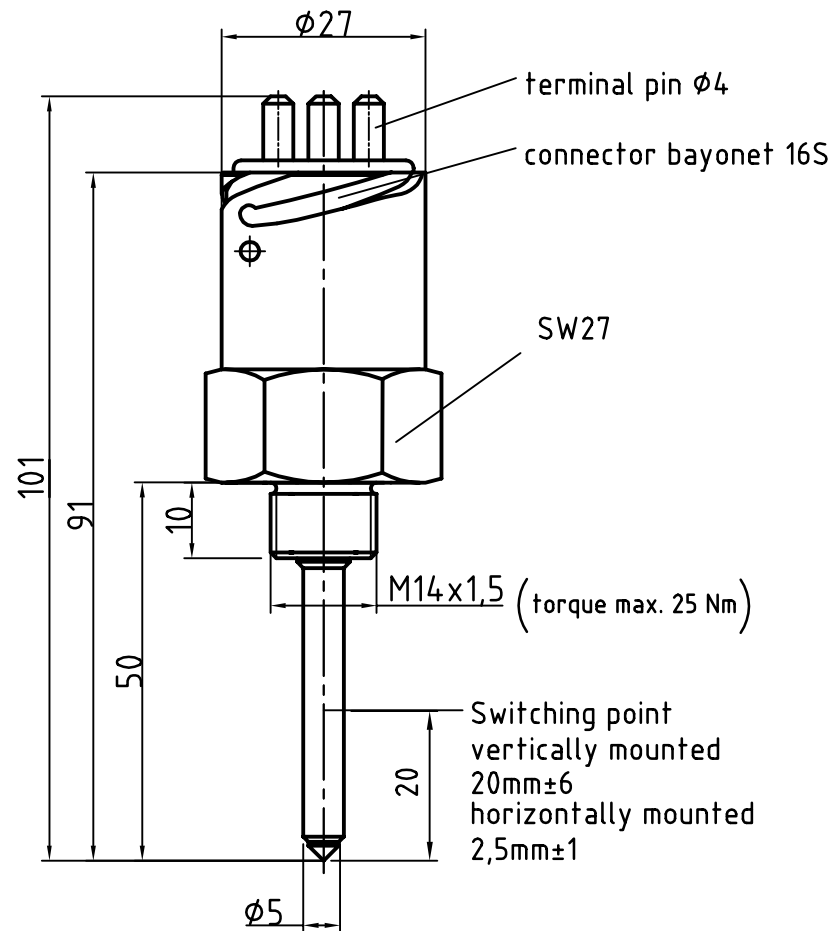




© Technical description for operating current - low side switch - level sensor

Operating voltage	TU = 25 °C DC 12/24V (-25% / +50%)
Current consumption	typ. 8 mA
Signal output switching current	1A over the whole operating voltage range, output Transistor minus switching. At inductive loads freewheeling diode e.g. 1N4007, has to be mounted at the load.
Switch point vertically mounted	20mm ± 6mm
Switch point horizontally mounted	2,5mm ± 1mm
Switch point hysteresis	typ. < 3mm
Medium temperature	-30°C to +125°C
Ambient temperature	-30°C to +125°C
Storage temperature	-50°C to +125°C
Fault indication delay	7 seconds
Function test	2 seconds
Reverse polarity protection	in-built, between plus and minus terminal
Function	Minimum-operating current (oc)

Caution !!
With low-side switching sensors do not connect minus potential to signal terminal and plus potential to minus terminal.

Voltage drop	<200mV/ 1A
Vibration	IEC 68-2-6 5 - 57Hz ± 1,5mm 58 - 2000 Hz 20g

Cab Mount	Frame Mount
5Hz 0,007g ² Hz	20Hz 0,001g ² Hz
20Hz 0,07g ² Hz	119Hz 0,08g ² Hz
100Hz 0,007g ² Hz	223Hz 0,011g ² Hz
300Hz 0,007g ² Hz	391Hz 0,091g ² Hz
2000Hz 0,0035g ² Hz	797Hz 0,10g ² Hz
	1212Hz 0,001g ² Hz
	1780Hz 0,0005g ² Hz
	1980Hz 0,0004g ² Hz

Pressure resistance	25bar at 25°C/1h
Environmental protection	IP 67 to DIN40050
Mounting attitude	optional
Housing	CuZn38Pb1,5 material number 2.0371 capacitive connected to ground
Probe coating	Tefzel® ETFE
Weight	approx. 125g
Mounting thread	M14x1,5
Marking	laser

EMC	EN 1000-4-2 8kV air discharge
Electrostatic discharge	6kV contact discharge
Radiated electro-magnetic fields	EN 1000-4-3 30 V/m; 27 MHz to 1000 Mhz 80% AM (1kHz)
Burst	EN 1000-4-4 2 kV power supply 1 kV signal output
Surge	EN 1000-4-5 0,5 kV, diff. mode: power supply 1 kV, common mode: signal output
Conducted high frequency	EN 1000-4-6 10 V; 10 kHz to 80 Mhz 80% AM (1kHz)

CE-marking to EC-directive 89/336/EWG (EMC - directive)

Verwendungsbereich	Zul. Abw	Oberfläche	Maßstab 1:1	Position - Menge -
	ISO 2768-vK	-	-	-
	Datum	Name	Benennung © PLS-40 operating current - low side switch - water level sensor with connector bayonet 16S	
	Erstellt 11.06.2001	M. Möderer		
	Gepr. 12.06.2001	Wild		
			Zeichnungsnummer	
			421575	
			Blatt 1/1	
a	siehe Zeichnung	15.07.02	Möderer/Zibes	Bl
Zust.	Änderung	Datum	Name/Geprüft	
BEDIA®				EDV Nr. I:\CAD\421575\SUS.dwg