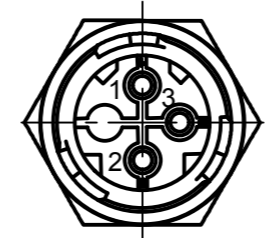
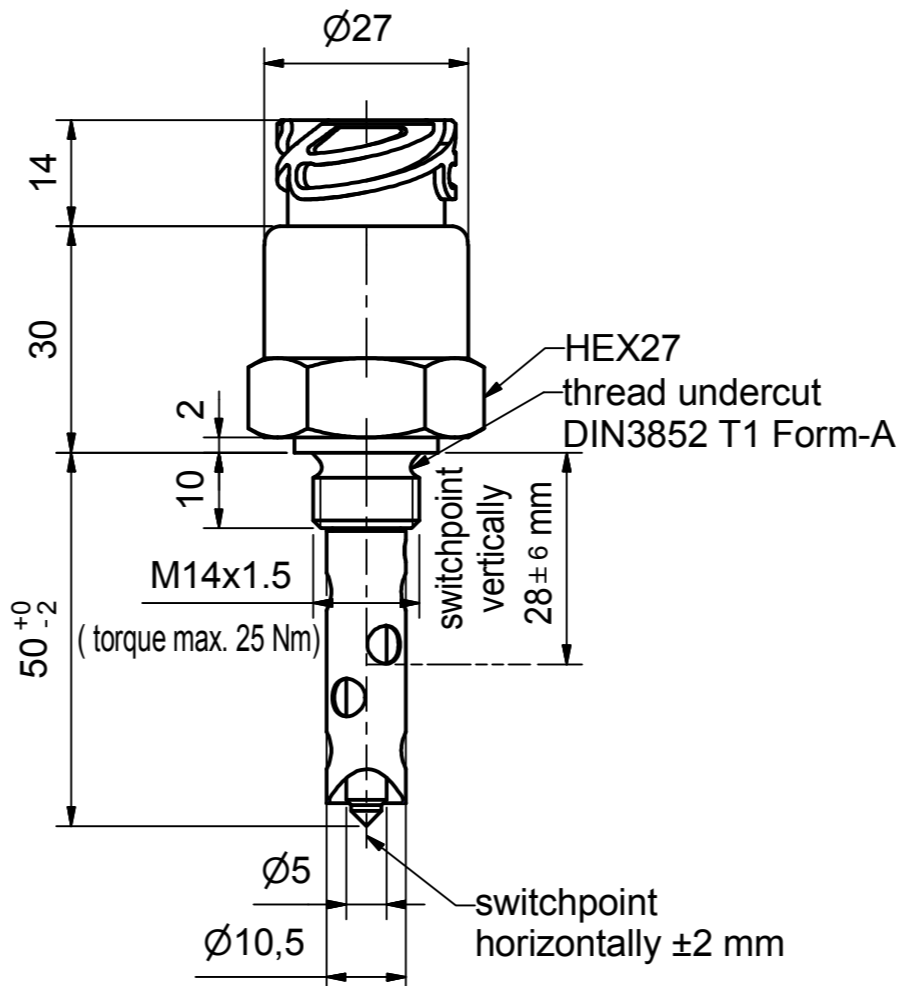


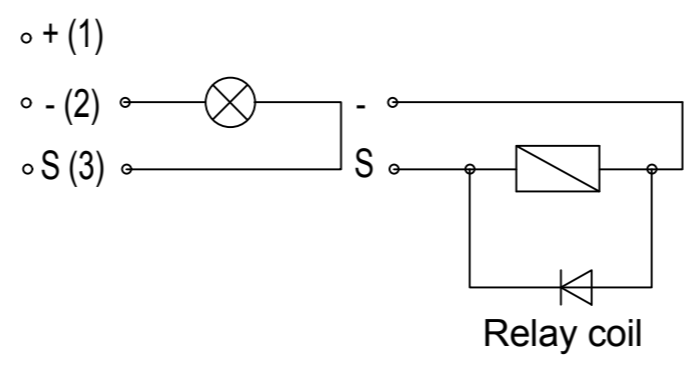
Any non-compliance shall obligate the violator to compensate for damages. In case any patent is issued or a utility model is registered, or in case of any other industrial property rights, all such rights must be reserved for us.

BEDIA Motorentechnik GmbH & Co.KG, Altdorf bei Nürnberg

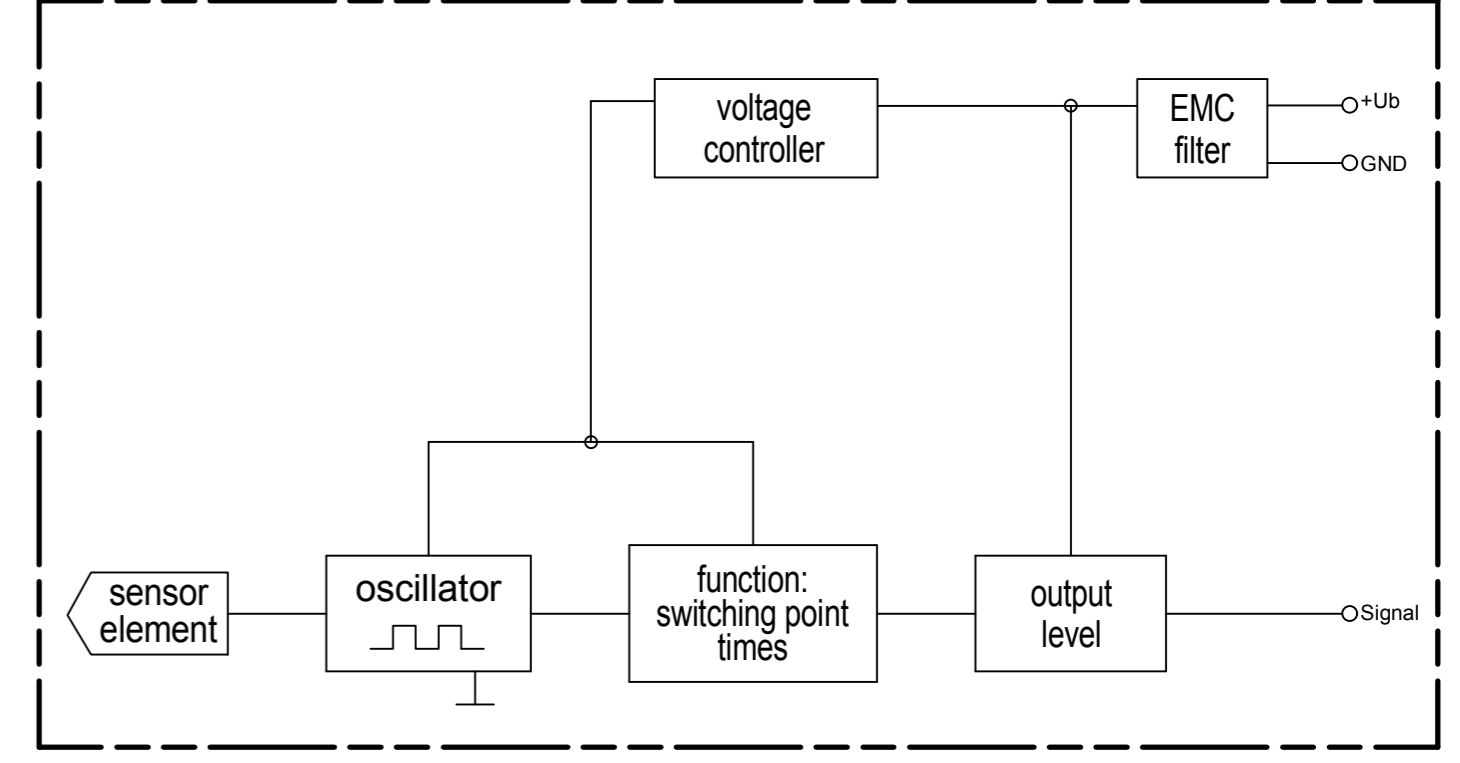
	11	10	9	8	7	6	5	4	3	2	1			
Technical data														
Medium	oil													
Function	minimum - quiescent current (rc)													
Operating voltage	12 / 24 V (-25% / +50%) (9 - 36 VDC)													
Current consumption	typ. < 8 mA													
Output	high side switch ≤ 1 A over the whole temperature range short-circuit and overload protected over the ambient temperature range. At inductive loads freewheeling diode e.g. 1N4007, has to be mounted at the load.													
Mounting thread	M14x1,5													
Function control	0 seconds ± 5%													
Fault indication delay	7 seconds ± 5%													
Connection	connector ISO15170-A1-3.1-Sn/K1 (former DIN72585) ^(a)													
Housing material	CuZn38Pb2 EN12164; CW608N capacitive connected to ground													
Probe coating	Tefzel® ETFE													
Probe protection	IP 69K to DIN40050													
Weight	approx. 85 g													
Marking	manufacturer; type; manufacturer no.; SN; year / week; approval													
Switch point hysteresis	typ. < 3 mm													
Reference medium	paraffin oil, ε _r = 2,0..2,4, for switchpoint adjustment													
Medium temperature	-40 °C to +150 °C (-40 °F to +302 °F)													
Ambient temperature	-40 °C to +125 °C (-40 °F to +257 °F)													
Storage temperature	-50 °C to +125 °C (-58 °F to +257 °F)													
Mounting position	optional													
Reverse polarity protection	inbuilt between positive and negative terminal													
Caution!!	Do not connect positive potential to signal terminal of the sensor and negative potential to positive terminal of the sensor.													
Approval	<table border="1" style="display: inline-table;"> <tr><td style="text-align: center;">e1</td></tr> <tr><td>035459</td></tr> <tr><td>90261029</td></tr> </table>											e1	035459	90261029
e1														
035459														
90261029														
Customs tariff number	90261029													
Environmental simulations														
Vibration	ISO 16750-3:2007 10 Hz - 2000 Hz 20 g													
Free Fall	IEC 16750													
Mechanical Shock	DIN EN 60068-2-27:1995; 100 g / 11ms													
Dry Cold	DIN EN 60068-2-1:2006; -40 °C / 24 h (-40 °F / 24 h)													
Dry Heat	DIN EN 60068-2-2:2008; +125 °C / 96 h (+257 °F / 96 h)													
Temperature cycling	DIN EN 60068-2-14:2000													
Damp Heat	DIN EN 60068-2-78:2002													
Damp Heat, steady state	DIN EN 60068-2-30:2006													
Salt spray	DIN EN 60068-2-52:1996													
Pressure resistance	2,5 MPa (25 bar / 362,6 psi) (25°C / 77°F / 1 h)													
EMC														
Radiated emission	2004/104/EG 30 MHz - 1 GHz; 1 m													
Conducted transient emission	ISO 7637-2:2004													
Immunity to RF electromagnetic fields	ISO 11452-1/-2 1000 MHz - 2000 MHz; 150 V / m (rms)													
Immunity to RF electromagnetic fields in the stripline	ISO 11452-1/-5 20 MHz - 1000 MHz; 150 V / m (rms)													
Transient immunity test on power lines	ISO 7637-2/2004 Impulse 1, 2a, 2b, 3a, 3b, 4													



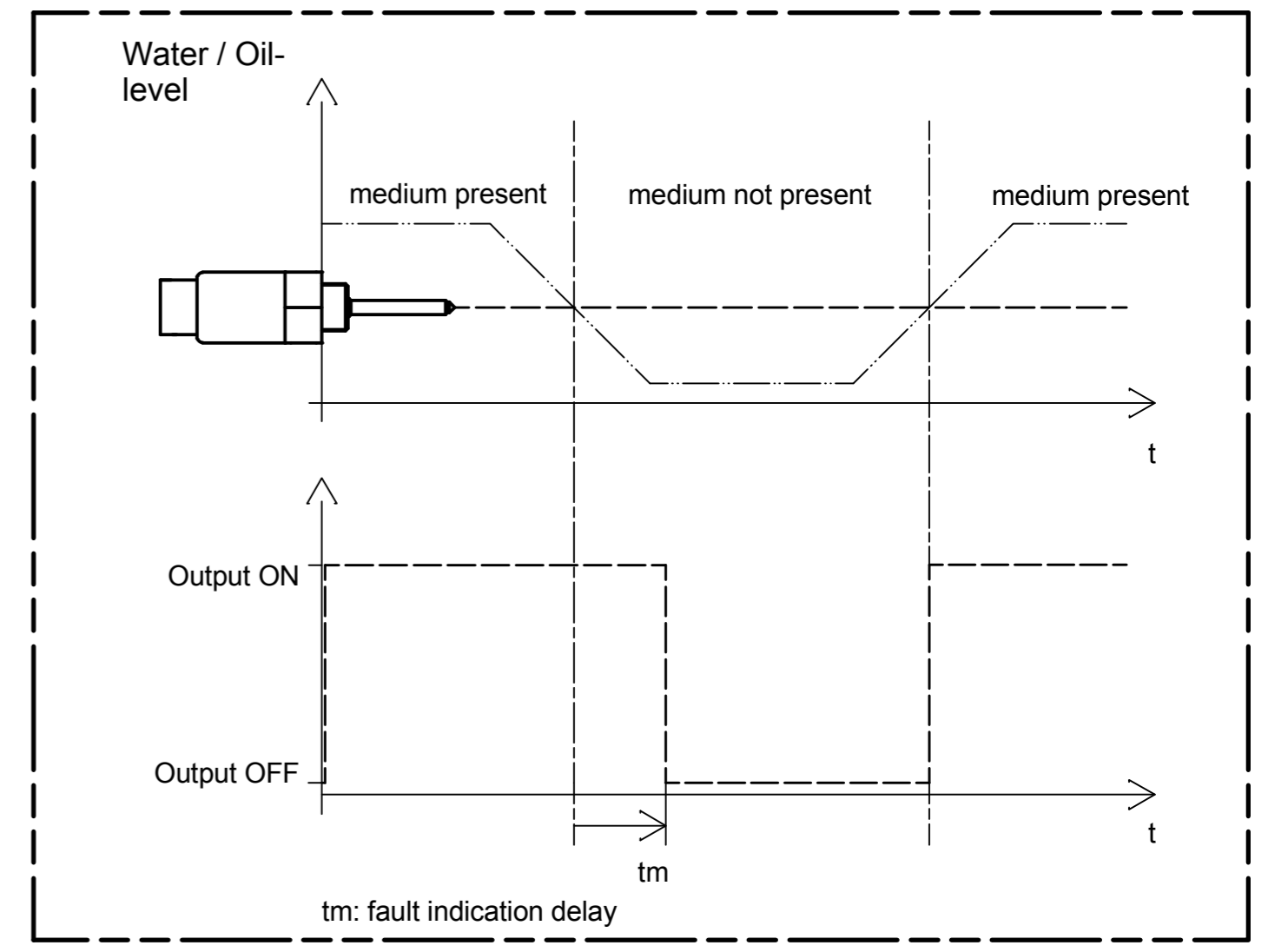
1 = positive (+)
 2 = negative (-)
 3 = signal (S)



Block diagram



^(a) Functional diagram for MINIMUM Probes



field of application	admissible tolerance	surface	scale 1:1	position -	amount -
	ISO2768-mK				
	date	name	description		
	created by 10.02.2010	MoeMi	CLS-40 oil level sensor high side switch - quiescent current with connector ISO15170-A1-3.1-Sn/K1 ^(a)		
	checked by 12.02.2010	SasCh			
			drawing number	sheet	
			320428	1/1	
a norm changed	11.01.12	BerVi/SasCh	drawing path: I:\CAD\320428\US.sldw		
rev. modification	date	name/checked by			

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