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Technical description for min level sensors high side switch

with approvals :

ABS, BV, CCS, DNV, GL, KR, LR, NKK, RINA, RS

<p>Voltage rating Current consumption Signal output switching capacity</p>	<p>TU = 25 °C DC 12/24 V (-25% / +30%) typ. 8 mA 12 W / 12 V; 24 W / 24 V 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.</p>
<p>Switch point vertically mounted Switch point horizontally mounted Switch point hysteresis Medium temperature Ambient temperature Storage temperature Fault indication delay Function test Function Reverse polarity protection</p>	<p>18mm ± 6mm 2,5mm ± 1mm typ. < 3mm -30°C to +125°C -30°C to +125°C -50°C to +125°C 7 seconds 0 seconds quiescent current (rc) in-built, between plus and minus terminal</p>

Caution !!

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

<p>Voltage drop Overvoltage protection Vibration Pressure resistance Degree of protection Mounting attitude Housing Material Probe coating Mass Mounting thread Connection turning moment Marking</p>	<p>< 300mV / 1A limits the voltage to approx. 40 V. (suppression diode) IEC 68-2-6 2 - 25Hz × 1,6mm Amplitude 25 - 100 Hz 4g 25 x 105 Pa (25bar = 367,5 PSI) IP 68 to DIN40050 optional capacitively connected to ground brass - CuZn38Pb1,5 galvanic nickel plated Tefzel® ETFE approx. 180g M18 x 1,5 max. 25Nm manufacturer; manufacturer number; date: year/ calendar week approvals; function; pin assignment</p>
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EMC

<p>Electrostatic discharge Radiated electro-magnetic fields Burst Surge Conducted high frequency Conducted low frequency CE-marking to EC-directive 89/336/EWG (EMC - directive)</p>	<p>IEC 1000-4-2 8kV air discharge 6kV contact discharge IEC 1000-4-3 10 V/m; 27 MHz to 1000 Mhz 80% AM (1kHz) IEC 1000-4-4 2 kV power supply 1 kV signal output IEC 1000-4-5 1 kV, diff. mode: power supply 2 kV, common mode: power supply 2 kV, common mode: signal output IEC 1000-4-6 3 V; 10 kHz to 80 Mhz 80% AM (1kHz) IEC 945 3 V rms; 50 Hz to 10 kHz</p>
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field of application	admissible tolerance	surface	scale 1:1	position - amount -
	-	-	-	-
		date	description	
	created by	04.03.2005	Möderer	
	checked by	04.03.2005	Zibes	
			PLCA-50 quiescent current - high side switch - oil level-sensor with cable without connector	
			drawing number	sheet
			5062022311	2/2
rev.	modification	date	drawing path: F:\CAD\50615062022311\5_2.dwg	

