

# Horizontal Level Sensor with Magnetic Floats

DAE-H-Liquid-Level

*Datasheet*  
*Date: 15 Sep 2016*



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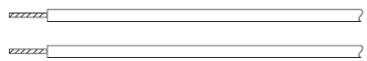
## 1. Description

Standard liquid level sensor. The sensor has to be mounted vertically for best results. The standard termination is a PVC cable with a cross section of 0.14 mm<sup>2</sup> and a length of 500 mm.

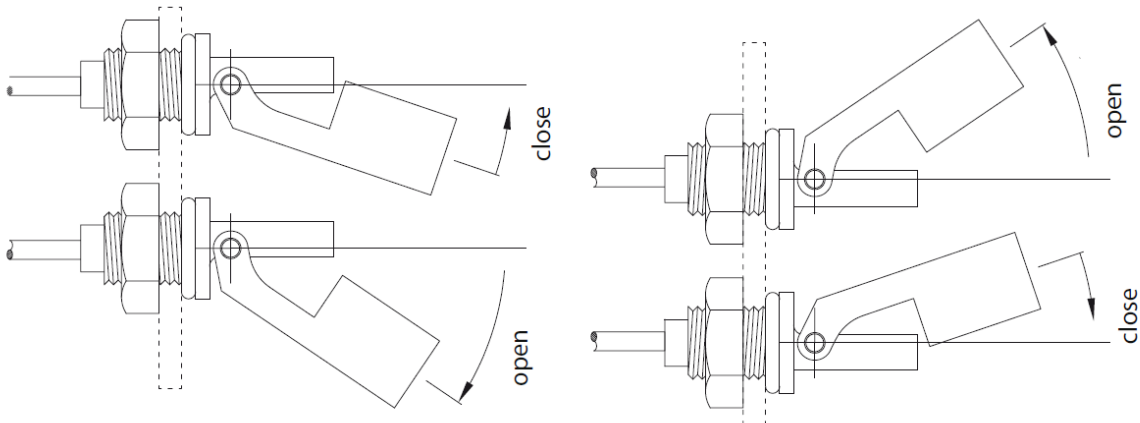
## 2. Applications

Liquid container monitoring in household appliances, automotive applications, test and measurement, and control technology.

## 3. Termination

<b>W</b>		<p>The cable cut length includes: 5 mm of wire stripped and tinned</p>
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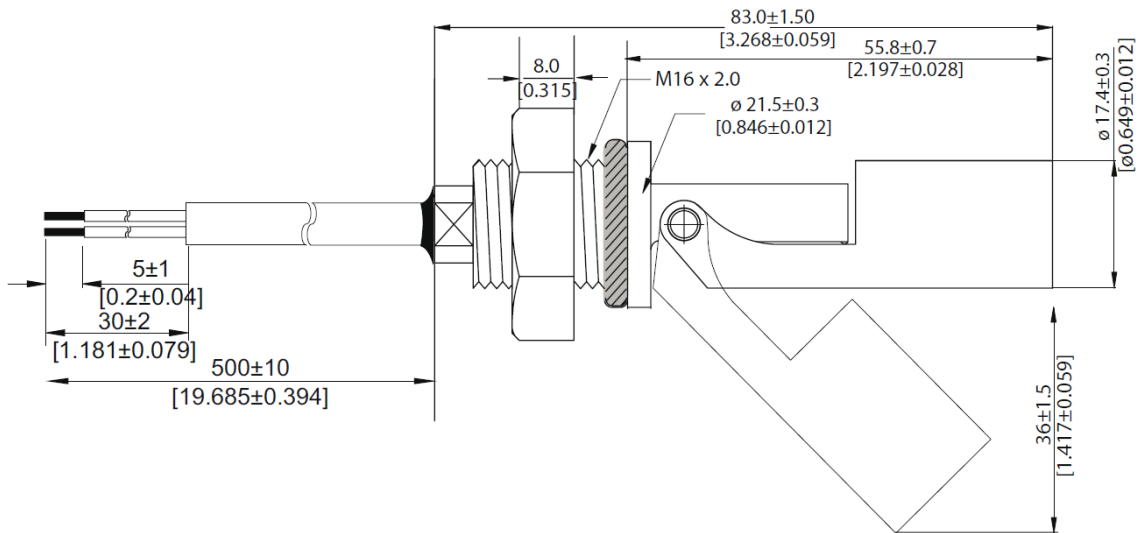
## 4. Movement Direction



## 5. Dimensions

- Mounting from inside, thread M16 x 2.0
- Insertion hole:  $\varnothing$  16.5 mm
- Sealing from inside with O-ring.

All dimensions in mm [inch]



## 6. Materials

Stem, nut	Polypropylene white
Float	Polypropylene white
Seal	Nitrile rubber

## 7. Contact Data

All Data at 20° C

Contact Ratings	Conditions	Min.	Typ.	Max.	Units
Switching Power	Any DC combination of V & A not to exceed their individual max.'s			10	W
Switching Voltage	DC or peak AC			200	V
Switching Current	DC or peak AC			0.5	A
Carry Current	DC or peak AC			1.25	A
Static Contact Resistance	w/ 0.5 V & 10 mA			150	mΩ
Dynamic Contact Resistance	Measured w/ 0.5 V & 50 mA , 1.5 ms after closure			200	mΩ
Insulation Resistance across Contacts	100 volts applied	10 <sup>10*</sup>			Ω
Breakdown Voltage across Contact	Voltage applied for 60 sec. min.	225*			VDC
Operation Time incl. Bounce	Measured w/ 50 % overdrive			0.5	ms
Release Time	Measured w/ no coil suppression			0.1	ms
Capacitance	at 10 kHz cross contact		0.2		pF
<b>Environmental Data</b>					
Shock Resistance	1/2 sinus wave duration 11 ms			50	g
Vibration Resistance	From 10 - 2000 Hz			20	g
Ambient Temperature	10°C/ minute max. allowable	-20		90	°C
Stock Temperature	10°C/ minute max. allowable	-20		100	°C
Soldering Temperature	5 sec. dwell			260	°C
Please note: The indicated electrical data are maximum values and can vary downwards when using a more sensitive switch.					