1. MANUFACTURER.

Bühler Technologies GmbH
Harkortstrasse 29
D-40880Ratingen,
Tel.:+49(0)2102/4989-0
Fax:+49(0)2102/4989-20
e-mail:fluidcontrol@buehler-ratingen.com
www.buehler-ratingen.com

2. IDENTIFICATION.

H.I.T.* Nr.	Leverancier Nr.
341-1011499001	1011499 (L=435 mm / L1= 380 mm)
341-1011499011	1011499 (L=490 mm / L1= 435 mm)
341-1011499021	1011499 (L=535 mm / L1= 435 mm)

3. DESCRIPTION.

- 1 x level switch and 1 x temperature switch in 1 instrument
- bi-stable = 1 float
- float with good buoyancy
- integrated electrical connector
- variable and fixed length
- easy installation
- maintenance free

C

4. TECHNISCHE SPECIFICATIES.

4.1. Mechanical

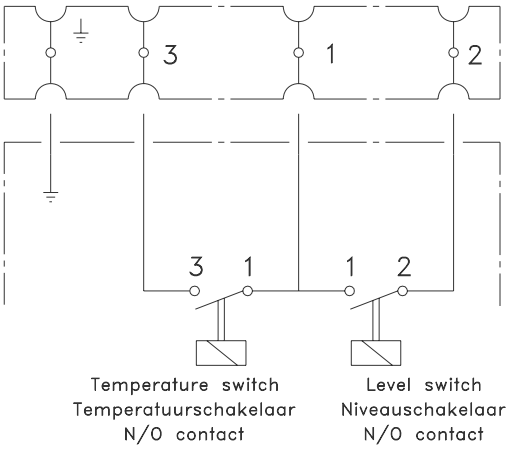
Material	Switch tube	Brass
	Flange	Brass
	Float	NBR
Operating pressure (max.)		1 bar
Temperature range (max.)		100°C
Gravity of the fluid (min.)		0,8 kg/dm^3

4.2. Electric

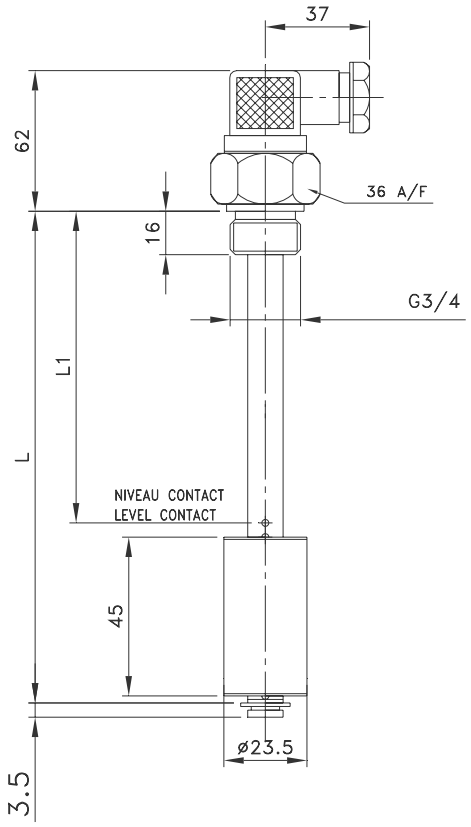
	Level switch	Temperature switch
Voltage (max.)	230 V	250 V
Contact load (max.)	10 VA	100 VA
Current (max.)	0,5 A	2 A
Hysteresys	-	40K ± 5K
Contact type	Normal open (NO)	Normal open (NO)
Switch	3 pole + PE (DIN 43650)	
Protection class	IP 65	
Cable gland	Pg 11	

* H.I.T. : Hansen Industrial Transmissions nv

5. ELECTRIC CONNECTION DIAGRAMM.



6. DIMENSIONS.



7. MAINTENANCE.

Maintenance free.

* H.I.T. : Hansen Industrial Transmissions nv

1. MANUFACTURER

ROBERT SCHEUFFELE GmbH & Co KG
Keplerstraße 12 - 16
Postfach 1645
D-7120 BIETIGHEIM-BISSINGEN
Tel (07142) 597-0
Fax (07142) 59719
WWW.SUCO.DE

2. IDENTIFICATION

H.I.T.* Nr.	Thread connection	Switching point dropping pressure	Supplier nr.
257-0184001	G1/4"	0,5 bar	0184 457 03 3 003

D

3. DESCRIPTION

The pressure switch is a membrane type with an incorporated change over contact.
When the operating pressure is below the preset value, contact points 1 and 2 are connected with each other. When the operating pressure is above the preset value, the contact switches and connects point 1 and 4.

4. TECHNICAL DATA

Adjustment range	0,3-1,5 bar
Tolerance	± 0,2 bar
Overpressure protection up to	100 bar
Protection Class	IP 65
Max. Switching frequency	200 /min
Temperature range	-5°C to +120°C
Hysteresis	Setup during operation: 10 till 30 % adjustable
Mechanical lifespan	10^6 connections (with switch pressure till 50 bar)
Material Housing	Galvanised Steel (Fe/Zn 12 c C)
Membrane quality	FKM (Trichloride, hydraulic fluid (HFA, HFB, HFC, HFD)
Material Internal contacts	Silver

Rated operating voltage U_e	Rated operating current I_e	Utilisation category*
250 V AC 50 / 60 Hz	4 A	AC 12
250 V AC 50 / 60 Hz	1 A	AC 14
24 V DC	4 A / 4 A	DC 12 / DC 13
50 V DC	2 A / 1 A	DC 12 / DC 13
75 V DC	1 A / 0.5 A	DC 12 / DC 13
125 V DC	0.3 A / 0.2 A	DC 12 / DC 13
250 V DC	0.25 A / 0.2 A	DC 12 / DC 13

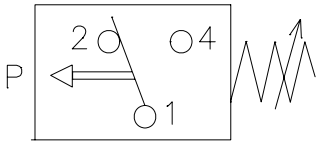
D

* The utilisation category describes among other things the voltages and currents and the way of load for the pressure switch according to DIN EN 60947-5-1
AC 12: Drive of resistive loads and semiconductor input circuits of optoelectronic couplers (e.g. PLC inputs)
AC 14: Drive of electromagnetic loads up to 72 VA
DC 12: Drive of resistive loads and semiconductor input circuits of optoelectronic couplers (e.g. PLC inputs)
DC 13: Drive of electromagnet

* H.I.T. : Hansen Industrial Transmissions nv

5. ELECTRICAL CONNECTION

The cable connection is a PG 9



6. MAINTENANCE

No maintenance is required.

* H.I.T. : Hansen Industrial Transmissions nv