GENERAL CHARACTERISTICS

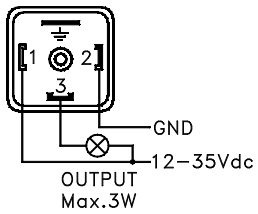
The capacitive probes, SCV series, are a good solution to control the level of liquids such as water, oil, gas and solids such as powders and granular materials.
The probes are available in different lengths and their construction has been suitably designed to ensure high operational reliability in difficult conditions, such as those found on industrial plants.

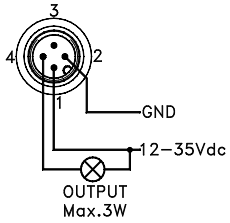
- No moving parts.
- PTFE coated electrode.
- Hermetic construction, polyurethane resin.
- Minimum degree of protection IP65.

TECHNICAL DATA Tab.1

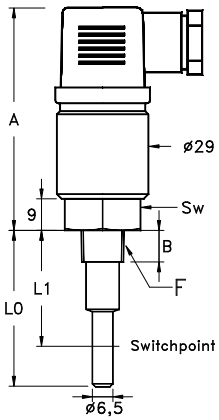
Description	Features		
Power supply	12 – 35 Vdc		
Current consumption	5 mA		
Electrical output NPN Max. load 3W	**I2** Active (ON)	**I1** Deactive (OFF)	In no level condition
Activation delay	4 sec.	**T** from 1 to 10 sec. on request	
Differential	3 mm.	**T** from 0 to 5 mm. on request	
Electrode	Cu-Zn alloy		
Electrode coating	**E** PTFE		
Switch point **L1**	Mounting: Vertical **L0** - 10 ± 2 mm.	Horizontal: On the axis of the probe	
Length **L0** mm.	**50** **90** max. 1000 on request		
Electrical connection	**S1** DIN 43650 plug	IP65	
	S3 M12x1, 4 poles	IP67	
Max. pressure (bar)	50		
Media temperature range	-30 / +125		
Use – type of liquid	**W** H_2O and conductive liquids		
	Z Oil and non conductive liquids		

WIRING

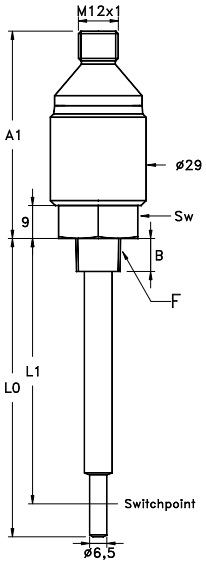




S1



S3



DIMENSIONS AND MATERIALS Tab.2

DN	F Fitting	SW mm	B mm	A mm	A1 mm
008	1/4”	24	10	74	58
015	1/2”	24	14	74	58

Male thread

N	G	C
NPT Conical	Parallel UNI 228/1	Conical UNI 7/1
	On request	

Available materials

O	S
Brass	AISI-316
	On request

MAINTENANCE

Only warning to observe is a periodic review of the state of the electrode and its coating and, if necessary clean it with non-corrosive liquids.

NOMENCLATURE

SCV	W	008	NO	E50	I2	T	S1		
●									Capacitive level-sensor.
	●							Tab.1	Use – type of liquid.
		●						Tab.2	Process connection dimension.
			●					Tab.2	Process connection thread and material.
				●				Tab.1	Electrode coating and length (mm).
					●			Tab.1	Electrical output and length.
						●		Tab.1	Delay and/or differential on request (to be indicated in p. order)
							●	Tab.1	Electrical connection.