

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.

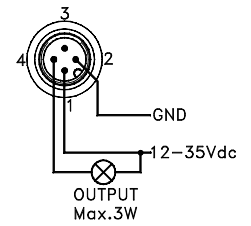
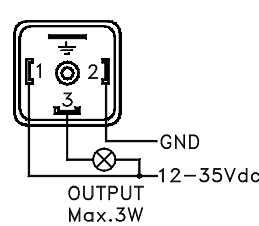
- No moving parts.
- PTFE coated electrode.
- Hermetic construction, polyurethane resin.
- Minimum degree of protection IP65.



TECHNICAL DATA Tab.1

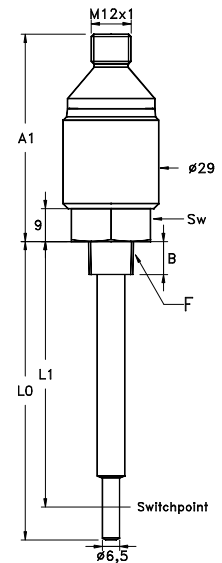
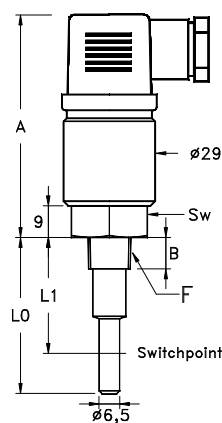
Description	Features	
Power supply	12 – 35 Vdc	
Current consumption	5 mA	
Electrical output NPN Max. load 3W	I2	I1
	Active (ON)	Deactive (OFF)
	In no level condition	
Activation delay	4 sec.	from 1 to 10 sec. on request
Differential	3 mm.	T
		from 0 to 5 mm. on request
Electrode	Cu-Zn alloy	
Electrode 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 ₂ O 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	Parallel	Conical
Conical	UNI 228/1	UNI 7/1
On request		

Available materials

O	S
Brass	AISI-316
On request	

NOMENCLATURE

SCV	W	008	NO	E50	I2	T	S1
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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.