ELECTRA SCV

Capacitive level-sensor

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		12		11			
		ctive (ON)	Deactive (OFF)			
		In no level condition					
Activation delay	4	4 sec.	т	from 1 to 10 sec. on request			
Differential	3	3 mm.		from 0 to 5 mm. on request			
Electrode	Cu-Zn alloy						
Electrode coating	Ε	PTFE					
		Mounting					
Switch point L1	Vertical			Horizontal:			
	L0 ·	• 10 ± 2 m	۱m.	On the axis of the probe			
Length L0 mm.	50	90 n	nax.	1000 on req	uest		
Electrical connection		DIN	50 plug	IP65			
		M12	IP67				
Max. pressure (bar)	50						
Media temperature range	-30 / +125						
line two of line in		H ₂ O and conductive liquids					
Use – type of liquid	Ζ	Oil and non conductive liquids					

DIMENS	SIONS AND	MA	TERI/	ALS				Tab.2
F DN 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 Available materials								aterials
Ν	G			С		0		S
NPT	Paralle	l	Cor	nical		Brass	A	AISI-316
Conical	UNI 228	/1	UNI 7/1				O	n request
	\cap	n roai	loct					

On request



We reserve the right to change the data without notice



WIRING





ø29 Sw

Switchpoint



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.

	Capacitive level-sensor.
b.1	Use – type of liquid.
b.2	Process connection dimension.
b.2	Process connection thread and material.
b.1	Electrode coating and length (mm).
b.1	Electrical output and length.
b.1	Delay and/or differential on request (to be indicated in p. order)
b.1	Electrical connection.

BE#180/2-11/2013

