

Monitoring sensor

Type SRS

Capacitive sensor for the monitoring of specific spray cleaning installations

Basic features

- ▶ welding sleeve-system with modular process connections
- ▶ aseptic measuring point
- ▶ wetting parts made of peek
- ▶ further settings via PC and programming interface (optional)
- ▶ FDA, EHEDG-conformal

Technical features

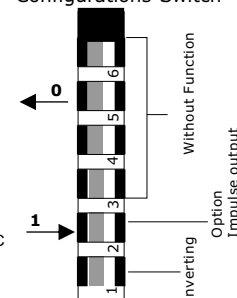
- ▶ supply voltage $U_b = 24\text{ V} \pm 20\%$
- ▶ requirem. of el. current $< 30\text{ mA}$
- ▶ output signal active 50 mA max. (PNP)
- ▶ permissible load 0Ω bei 24 VDC
 50 mA
- ▶ signal delay $< 0,5\text{ s}$
- ▶ response time dependend on the application circa 30 s
- ▶ ambient temperature $-10\text{...}+60^\circ\text{C}$
- ▶ storage temperature $-10\text{...}+60^\circ\text{C}$
- ▶ protection class IP 68
- ▶ working pressure 10 bar max.
- ▶ process temperature $0\text{...}+100^\circ\text{C}$
- ▶ CIP-/SIP-cleaning $0\text{...}+150^\circ\text{C (30 min)}$



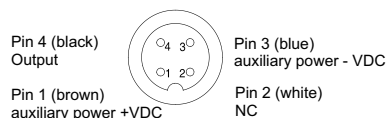
Switch - Configuration

Switch 1	Switch 2	Description
0	0	Not inverted / no impulse
0	1	Not inverted / impulse 400ms
1	0	Inverted / no impulse
1	1	Inverted / impulse 400 ms

Configurations-Switch



M12 plug



Comment

Suitable for aqueous media, which are not causing disturbing adhesions and frothing.

Proper for deionized water, bzw. WFI-water. Corresponding welding sleeves on request.

!ATTENTION!

Please check the function in any combination of cleaning fluid, cleaning device and tank-periphery and release in actual application.

•The user claims the responsibility.

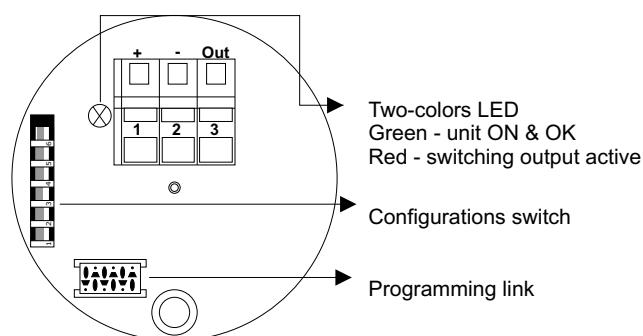
When using only one sensor for monitoring the spray jets, false measurings are possible, e.g. in the case of a blocked spray nozzle.

In this case the stop of the spray nozzle will not be detected.

The detection rate of such error case can be improved by installation of a second sensor which is displaced at 90° .

An evaluation of both individual Sensors signals is provided.

A single sensor can certainly not be used for a confident rotation-control of the spray-jet-cleaner.



The tightness classification IP68 means not, that this parts are suitable for applications under dew point or thermal shock (DIN 60068-2-14)!

Order Code SRS

SRS -	6	-	
High-Grade-Steel Connecting Head			
High-Grade-Steel Connecting Head, 1.4305 M12 plug			
	6		
Version			
Process connection: G1/2" hygienic made of 1.4404			
Tuchenhagen- Process connection			
			S ET