

# CAPACITIVE SENSORS SC18S ATEX series



PLASTIC CYLINDRICAL HOUSING M18x1 (SC18SP)

METALLIC CYLINDRICAL HOUSING M18x1 (SC18SM)

2 WIRES + EARTH D.C. / A.C. - SHIELDED CABLE

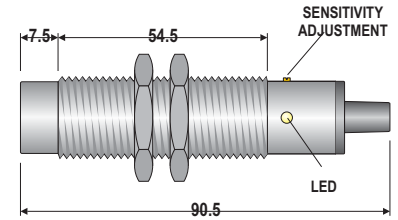
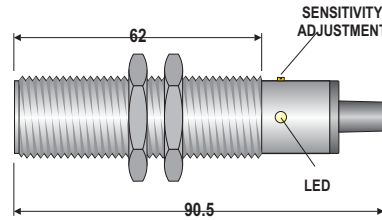
IN CONFORMITY WITH: - ATEX Directive 94/9/CE GROUP "II" CATEGORY "3" DUSTY ATMOSPHERES "D" ( ZONE 22 )  
 - Electromagnetic compatibility directive 89/336 CE - Low Voltage directive 73/23 CE  
 - Product norm EN60947-5-2

**TS = EMBEDDABLE**

**PS = NOT EMBEDDABLE**

**SAFETY FUNCTION FOR TEMPERATURES >75°C**

The ATEX approved capacitive sensors are equipped with a device that irreversible interrupts functionality when the maximum temperature limit established by the norm has been exceeded and also in relation to the values printed on sensor label. This type of function makes the equipment safer in potentially explosive environments.



		TS	PS
<b>TECHNICAL CHARACTERISTICS</b>	<b>NO</b>	<b>SC18SP - A5 NO AD3</b>	<b>SC18SP - AE10 NO AD3</b>
		<b>SC18SM - A5 NO AD3</b>	<b>SC18SM - AE10 NO AD3</b>
	<b>NC</b>	<b>SC18SP - A5 NC AD3</b>	<b>SC18SP - AE10 NC AD3</b>
		<b>SC18SM - A5 NC AD3</b>	<b>SC18SM - AE10 NC AD3</b>
Switching distance (Sn) adjustable	mm	0 ÷ 5	0 ÷ 10
Alternating voltage 50-60Hz	V	20 ÷ 250 (Absolute maximum ratings)	
Hysteresis	%Sn	< 20	
Switching frequency	Hz	10	
Repeatability (at constant temperature)	%Sn	< 10	
Max. output current	mA	300	
Min. output current	mA	10 (Min. release current)	
Max. peak current for 20ms	A	1.5	
Residual current	mA	< 1	
Voltage drop (output ON)	V	< 6	
Led		Incorporated	
Operating temperature range	°C	-20 ÷ +70	
IP rating	IP	67	
Housing		Plastic (Grey polycarbonate) or Metallic (Nickelled brass)	
Cable PVC	3m	3 x 0.35 mm <sup>2</sup>	
Marking		II 3D IP67 T=80°C	

