CAPACITIVE SENSORS SC18S ATEX series

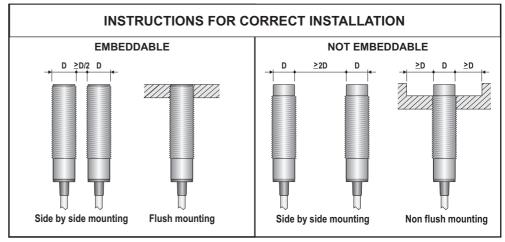


- PLASTIC CYLINDRICAL HOUSING M18x1 (SC18SP)
- METALLIC CYLINDRICAL HOUSING M18x1 (SC18SM)
- AMPLIFIED 4 WIRES D.C. SHIELDED CABLE
- IN CONFORMITY WITH: ATEX Directive 94/9/CE GROUP "II" CATEGORY "3" DUSTY ATMOSPHERES "D" (ZONE 22)
 - Electromagnetic compatibility directive 89/336 CE
 - Product norm EN60947-5-2

PS = NOT EMBEDDABLE TS = EMBEDDABLE **Dimensions mm** SAFETY FUNCTION FOR TEMPERATURES >75°C The ATEX approved capacitive sensors are equiped SENSITIVITY SENSITIVITY 62 with a device that irreversible interrupts functionality ADJUSTMENT 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. LED LED 90.5 90.5 TS PS SC18SP - C5 NPN NO+NC AD3 SC18SP - CE10 NPN NO+NC AD3

TECHNICAL CHARACTERISTICS	NO+NC	SC18SM - C5 NPN NO+NC AD3	SC18SM - CE10 NPN NO+NC AD3
	NO+NC	SC18SP - C5 PNP NO+NC AD3	SC18SP - CE10 PNP NO+NC AD3
		SC18SM - C5 PNP NO+NC AD3	SC18SM - CE10 PNP NO+NC AD3
Switching distance (Sn) adjustable	mm	0 ÷ 5	0 ÷ 10
Continuous voltage (res. ripple ≤ 10%) V		10 ÷ 40 (Absolute maximum ratings ripple included)	
Hysteresis %Sn		≤ 20	
Switching frequency Hz		10	
Repeatability (at constant temperature)	%Sn	≤ 5	
Max. current supply	mA	200	
Max. no-load supply current	mA	<u>≤</u> 10	
Voltage drop (output ON)	V	<u>≤</u> 1.8	
Short circuit protection		Incorporated	
Led		Incorporated	
Operating temperature range	°C	-20 ÷ +70	
Storage temperature range	°C	-20 ÷ +70	
Max temperature on the surface	°C	+ 80	
Additional temperature limit system		Non-resettable at + 75°C intervention	
IP rating	IP	67	
Housing		Plastic (Grey polycarbonate) or Metallic (Nickelled brass)	
Cable PVC	3m	4 x 0,25 mm² shielded	
Marking		⟨x⟩ II 3D IP67 T=80°C	

WIRING DIAGRAMS BROWN T75°C BLACK Φ $-\alpha$ -O-~ to-WHITE NPN NO+NC BLUE **BROWN** T75°C BLACK -->-WHITE -0 to PNP NO+NC BLUE 5 and 10m cable version are available upon request.



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