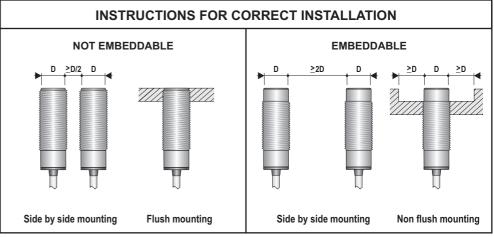
CAPACITIVE SENSORS SC30S ATEX series



- PLASTIC CYLINDRICAL HOUSING M30x1,5 (SC30SP)
- METALLIC CYLINDRICAL HOUSING M30x1,5 (SC30SM)
- 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** 55.2 SAFETY FUNCTION FOR TEMPERATURES >75°C SENSITIVITY SENSITIVITY ADJUSTMENT **ADJUSTMENT** The ATEX approved capacitive sensors are equiped with a device that irreversible interrupts functionality when the maximum temperature limit established LED by the norm has been exceeded and also in LED relation to the values printed on sensor label. This type of function makes the equipment safer in potentially explosive environments. 78.2 78.2 TS PS SC30SP - C20 NPN NO+NC AD3 SC30SP - CE25 NPN NO+NC AD3 NPN NO+NC SC30SM - C20 NPN NO+NC AD3 SC30SM - CE25 NPN NO+NC AD3 **TECHNICAL CHARACTERISTICS** SC30SP - C20 PNP NO+NC AD3 SC30SP - CE25 PNP NO+NC AD3 PNP NO+NC SC30SM - C20 PNP NO+NC AD3 SC30SM - CE25 PNP NO+NC AD3 Switching distance (Sn) adjustable $0 \div 20$ 0 ÷ 25 mm V Continuous voltage (res. ripple < 10%) 10 ÷ 55 (Absolute maximum ratings ripple included) < 20 Hysteresis %Sn Hz 10 Max switching frequency %Sn Repeatability (at constant temperature) < 5 Max. output current 300 mΑ ≤ 10 Max. no-load supply current mΑ Voltage drop (output ON) ٧ ≤ 1.8 Short circuit protection Incorporated Incorporated Operating temperature range -25 ÷ +70 °C Storage temperature range °C -25 ÷ +70 Max. temperature on the surface °C +80 Additional temperature limit system Non-resettable at + 75°C intervention IP rating ΙP Housing Plastic (Grey polycarbonate) or Metallic (Nickelled brass) Cable PVC 4 x 0,25 mm² shielded 3m ⟨Ex⟩ II 3D IP67 T=80°C Marking

WIRING DIAGRAMS Shield **BROWN** Φ <u>BLA</u>CK ₽ -0-WHITE NPN NO+NC **BLUE BROWN BLACK** - **−**0′ WHITE -o-to-卢卢 PNP NO+NC BI UF N.B.: 5-10m cable version are available upon request.







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