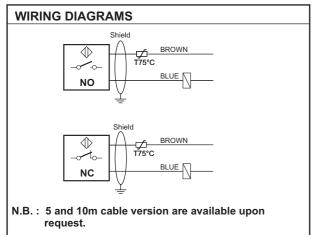
INDUCTIVE SENSORS SI12-A ATEX series



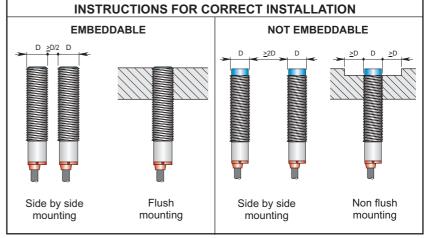
- METALLIC CYLINDRICAL HOUSING M12x1
- AMPLIFIED 2 WIRES A.C.

- 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

TS = EMBEDDABLE **PS** = NOT EMBEDDABLE **Dimensions** mm SAFETY FUNCTION FOR TEMPERATURES >75°C 42 42 The ATEX approved inductive sensors are equiped Led Led 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. 61 61 TS **PS** SI12 - A2 NO AD3 NO SI12 - AE4 NO AD3 **TECHNICAL CHARACTERISTICS** NC SI12 - A2 NC AD3 SI12 - AE4 NC AD3 Switching distance (Sn) mm ٧ Continuous voltage (res. ripple ≤ 10%) 20 ÷ 250 (Absolute maximum ratings) Hysteresis %Sn < 10 % Switching frequency Hz 12 < 3 Repeatability (at constant temperature) %Sn Max output current mΑ 300 mΑ 5 Min output current 1.5 Max peak current for 20ms Α < 1 Residual current mΑ ٧ Voltage drop (output ON) < 6 Led Incorporated °C Operating Temperature Range -25 ÷ +70 °C -25 ÷ +70 Storage Temperature Range °C Max temperature on the surface +80 Additional temperature limit system Non-reactable thermofuse at +75°C intervention IP rating ΙP 67 Housing Nickelled brass Cable PVC 3m 2 x 0,35 mm² shielded



Marking



 $\langle \mathcal{E}_{x} \rangle$ II 3D IP67 T=80°C

DOC. N°: CI078EX REV.: A PAG.: 2 OF 2

