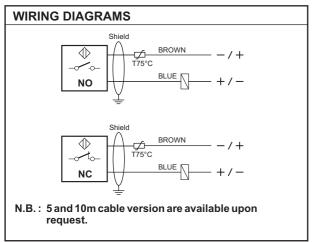
INDUCTIVE SENSORS SI12-B ATEX series

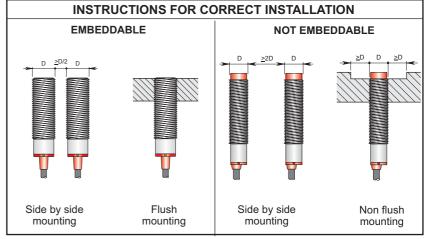


- METALLIC CYLINDRICAL HOUSING M12x1
- AMPLIFIED 2 WIRES D.C. SHIELDED CABLE
- IN CONFORMITY WITH: ATEX Directive 94/9/CE GROUP "II" CATEGORY "3" DUSTY ATMOSPHERES "D" (ZONE 22)
 - Electromagnetic compatibility directive 89/336 CE
 - Product norm EN60947-5-2

PS = NOT EMBEDDABLE TS = EMBEDDABLE **Dimensions mm** SAFETY FUNCTION FOR TEMPERATURES >75°C 42 42 The ATEX approved inductive sensors are equiped Led with a device that irreversible interrupts functionality Led 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 PS TS NO SI12 - B2 NO AD3 **SI12 - BE4 NO AD3 TECHNICAL CHARACTERISTICS** NC SI12 - B2 NC AD3 SI12 - BE4 NC AD3 Switching distance (Sn) 2 mm V Continuous voltage (res. ripple ≤ 10%) 10 ÷ 55 (Absolute maximum ratings ripple included) %Sn Hysteresis < 10 1000 Switching frequency Hz <u><</u> 3 %Sn Repeatability (at constant temperature) Max. output current mΑ 100 1.5 Min. output current mΑ Residual current Α ≤ 0.6 ٧ Voltage drop (output ON) ≤ 6.5 Short circuit protection Incorporated 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-resettable at +75°C intervention ΙP IP rating 67 Housing Nickelled brass



3m



2 x 0,35 mm² shielded

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

DOC. N°: CI077EX REV.: A PAG.: 2 OF 2

Cable PVC

Marking