



SOLIBA Ex « P » version (dusts) - Certified ATEX (SF 2000 ECO)

LEVEL DETECTOR FOR SOLIDS

For high level detections

ATEX Marking Code - CE 0081 Ex II 1 D Ex tD A20 IP6X T70°C

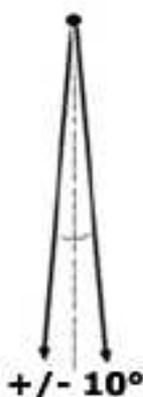
USE

Stops the filling

SIZE

Height: 200 mm - Diameter: 92 mm

DIFFERENTIAL ANGLE



WIRING



Please, refer to the connection diagram enclosed to each float delivered.



APPLIANCES

This device has a double housing and is especially suitable for use in explosive areas. It has been designed for the solids level detection (cereals, granulars, pulverulents). Placed vertically, it is recommended to stop the filling of silos and storage zones. It is ATEX certified for use in areas classified 20, 21, 22 (dust) but not in areas where there is gas. For that, please use the « GP » version.

TECHNICAL CHARACTERISTICS

Operation mode	By tilting
Use	To stop the filling of silos (cereals, pulverulents)
Important specification	Epecially for use in EXPLOSIVE areas 20, 21, 22
Maximum temperature	T6 and Ta: from -20°C to 70°C / idem
Protection index	IP 6X
Electric characteristics	250 VAC- 50/60 Hz
Cut-out power	1A (protection by means of a 1 A fuse)
Microswitch	Silver / nickel contacts
Biconical / Cylindrical shell(2)	Copolymer polypropylene + HR HY (hypalon)
Cable	HR HY (hypalon) H07RN8-F
Cable type	3 conductors 1 mm ²
Float weight without cable	495 g
Cable weight	HR HY 110 g/m
Adjustable ballast on cable (option)	Loaded resin 250 g
Standard cable length (series)	5, 6, 10, 15, 20, 25 and 30 m (other lengths on request)





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ATEX CERTIFICATION – WHAT YOU SHOULD KNOW

It is important to know that the level regulation devices certified ATEX are compulsory in the main pumping stations, granular silos and some pulverulent materials storage facilities. It is also important to know that only the user can define, before the installation, if it deals or not with a pumping station or a silo with explosive risks. The atmosphere is classified 0, 1, 2 for gas and 20, 21, 22 for dusts. So, it is highly recommended taking no risks in this situation as it can trigger disastrous consequences.



DEFINITION- The SOLIBA Ex « P » Version (dusts)(SF 2000 ECO) are designed and certified for use in hazardous areas classified 20, 21, 22 (dusts). They are conform to the following standards :

- EN 60079-0 (2004)
- EN 60079-11 (2007)
- EN 61241-0 (2006)
- EN 61241-1 (2004)
- Potentially explosive areas (EX tD A20 T70°C).

Certified LCIE 00 ATEX 6003 X /1 dated 2006/10/19 according to the Directive 94/9/CE.

CONNECTION-PROTECTION- The protection can be ensured through a calibrated fuse which precisely matches the following electrical requirements: U_N : 250 V- I_N : 1 A.

BE CAREFUL ! The non-respect of the following instructions can have serious consequences. These floats must only be connected to an intrinsically safe associated apparatus certified type. Such apparatus must be compatible with the intrinsic security instructions and must not exceed the floats electric characteristics values mentioned on the technical sheet n°1.

IMPORTANT- A use which is not specified by the constructor or an non competent authority intervention can damage the working of these devices and trigger serious consequences. The manufacturer denies all responsibility if the user does not respect the rules in relation with the protections against sanitary, fire and explosion risks.

PRODUCT FOLLOW-UP – The number of the serie and the year of production appear on each device delivered.

AT YOUR DISPOSAL- LCIE 00 ATEX 6003 X/1 Certificate dated 2006/10/19. Information about the intrinsic safety relays. Connection diagrams...