

[13]

Schedule

[14] EU-TYPE EXAMINATION CERTIFICATE No.: Presafe 16 ATEX 8909X Issue 0

[15] Description of Product

This overfill protection & earthing system consists of controller, earthing clamp or plug. The controller is with type of protection "d", the safety barriers are installed inside the controller, the controller can provide visual alarm and show the working status. The earthing clamp (and its cable) or plug (and its cable) are with type of protection "i", they are connected to the controller by integrated cable glands.

Type designation

SLA	-	S	-	□	□
Product serial number: A, B, C and etc. Product class number (could be none)					
Signal output: S: Abbreviation of switch signal output					
Abbreviation of operating mode and function					

Electrical Data

Rated voltage: 85~250 V a.c., 50 Hz

Operating current: < 60 mA

Output safety parameters:

Earthing clamp: U_o=14.28 V d.c., I_o=27.2 mA, P_o=97 mW, C_o=4.17 uF, L_o=192 mH.

Plug: U_o=21.42 V d.c., I_o=149 mA, P_o=798 mW, C_o=1.19 uF, L_o=6.4 mH (for overfill sensor)

U_o=14.28 V d.c., I_o=96.2 mA, P_o=343 mW, C_o=4.28 uF, L_o=15.4 mH (for earthing sensor)

Degrees of protection (IP Code)

IP65 (only applicable for controller of the product)

Ambient temperature:

-20 °C to +55 °C

Routine tests

- The controller must be subjected to routine overpressure test of 0.7 MPa for at least 10 s according to clause 16 of EN 60079-1.

[16] Report No.: 2016-9467

Project No.: PRJC-515446-2014-PRC-CHN

[17] Specific Conditions of Use

- The mechanical property class of the fasteners which are relevant to the flameproof joint should be at least A2-70.

- Field repairs of flameproof joints should not be undertaken by the end user. In the event that flameproof joint must be repaired, contact the manufacturer. Repairs of flameproof joints must be made in compliance with the structural specifications in manufacturer's drawings. Repairs must not be made on the basis of values specified in tables 2 and 3 of IEC 60079-1.

- Overfill protector shall be installed at the location where its display can be seen and maintenance can be easily made.

- Specification requirements for grounding cable of the enclosure: Single core yellow green line, its sectional area shall not be less than 4 mm².

- Connection impedance between the device earthing point and main power supply earthing point shall not be more than 1Ω at the installation site.

- When the product is connected with device of Zone 0, connection to isolated transformer required in clause 16.3 of IEC/EN 60079-14 shall be considered.

- The threaded entry is used for other products, it is not used in this product, so it must be sealed with plug.

- P02 plug and spiral cable only are allowed to be wiped with wet cloth, and all the operations that may produce electrostatic are prohibited.

- Distributed inductance and capacitance of the cable should be considered when installing the equipment on site.

[18] Essential Health and Safety Requirements

Essential Health and Safety Requirements (EHSRs) are covered by the standards listed at item 9.

[19] Drawings and documents

Number	Title	Rev.	Date
SLA-S-Y-00Ex	Overfill Protection & Earthing System General Assembly Drawing	1.02	2017.04.21
SLA-S-Y-2-00Ex	Controller Assembly Drawing	1.02	2017.04.21
XBK-III-00Ex	Explosion-proof Enclosure Assembly Drawing	1.02	2017.04.21
SLA-S-Y-2-01Ex	Nameplate	1.02	2017.04.21
SLA-S-Y-2-02Ex	Indicator Nameplate	1.02	2015.04.09
SC-03-00Ex	Earthing Clamp Assembly Drawing	1.02	2015.04.09
P02-00-00Ex	Plug and Cable Assembly Drawing	1.02	2017.04.21
SLA-S-Y-2-03Ex	Main Control Board Assembly Drawing	1.03	2015.04.09