

# EU-TYPE EXAMINATION CERTIFICATE

- [2] EQUIPMENT OR PROTECTIVE SYSTEM INTENDED FOR USE IN POTENTIALLY EXPLOSIVE ATMOSPHERES DIRECTIVE 2014/34/EU
- [3] EU-Type Examination Certificate Number: **Presafe 19 ATEX 23665X** **Issue 0**
- [4] Product: **FLP Rotary Limit/ Proximity Switch + Position Indicator**
- [5] Manufacturer: **Avcon Controls Pvt. Ltd.**
- [6] Address: **Plot No. 65, Road No. 13, M.I.D.C , Andheri (East), Mumbai- 400 093, INDIA.**
- [7] This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- [8] DNV GL Presafe AS, notified body number 2460, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.
- The examination and test results are recorded in confidential reports listed in section 16.
- [9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:  
**EN 60079-0:2018 and EN 60079-1: 2014**
- [10] If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.
- [11] This EU - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.
- [12] The marking of the product shall include the following:

 **II 2 G Ex db IIC T6 Gb**

Date of issue:  
2020-04-17



Asle Kaastad  
For DNV GL Presafe AS  
The Certificate has been digitally signed.  
See [www.dnvgl.com/digitalsignatures](http://www.dnvgl.com/digitalsignatures) for info

[13] **Schedule**

[14] **EU-Type Examination Certificate No:** Presafe 19 ATEX 23665X Issue 0

[15] **Description of Product**

These FLP Rotary Limit/ Proximity Switch + Position Indicator of protection type 'Ex db'. It is designed, manufactured & tested in accordance with EN 60079-0:2012 and EN 60079-1:2014 and shall be intended to use in explosive atmospheres specified in this certificate. These are not portable equipments.

The equipment comprises a rectangular enclosure manufactured from Cast Aluminium Alloy LM-6 Material, alternate material can be stainless-steel casting CF8. The enclosure is in two halves: cover & enclosure and held together by four stainless steel equidistance socket head cap screws of grade A2-70 forming a spigot joint.

The shaft (spindle) passes through the top cover and base enclosure forming a cylindrical joint. The shaft has cams attached to operate limit switch or inductive proximity switch within the enclosure.

An external visual device indicates the rotary position of the shaft on top of the cover.

Cable entry holes are provided as specified on the drawings for the accommodation of flameproof cable entry devices.

**Type designation**

SB-300- L2/L4/P2/P22/P4/P44/P6/P66/P8/P88

**Electrical Data**

Voltage – Maximum 230 VAC / 60 VDC ,  
Current – Maximum 16 A

**Degrees of protection (IP Code)**

IP 67

**Ambient temperature:**

-20°C to +40°C

[16] **Report No.:** 2019-9417  
**Project No.:** PRJC-582444-2018-PRC-IND

[17] **Specific Conditions of Use**

1. The manufacturer has maintained more stringent gap than required by the standard. User must refer to manufacturer before carrying out any repairs or refurbishment to the equipment. The gap specified in this report and certification drawing must never be exceeded.
2. The fastening screws for cover with spigot joint shall be stainless steel socket head cap screws of property class A2-70 and yield stress 450 MPa.
3. Wipe surface of polycarbonate plastic material used for indicator cover with moist / wet cloth.

[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
AVC-A2-11164.00.00.MK	Technical Drawings for FLP Rotary Limit/ Proximity Switch + Position Indicator	0	21.07.2018
AVC-A4-11164.00.34.MK	Name plate Drawing for SB-300- L2 & L4 Switch Box	0	19.01.2019
AVC-A4-11203.00.34.MK	Name Plate Drawing for SB-300 Proximity Switch Box	0	19.01.2019

[20] **Certificate History**

Issue	Description	Issue date	Report no.
0	Original issue	2020-04-17	2019-9417

END OF CERTIFICATE

