



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX PRE 19.0098X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2020-04-17

Applicant: **Avcon Controls Pvt. Ltd.**
Plot No. 65, Road No. 13 M.I.D.C ,
Andheri (East),
Mumbai 400 093
India

Equipment: **FLP Rotary Limit/ Proximity Switch + Position Indicator**

Optional accessory:

Type of Protection: **Ex d**

Marking: **Ex db IIC T6 Gb**
Ambient temperature: -20°C to +40°C, IP 67

Approved for issue on behalf of the IECEx
Certification Body:

Asle Kaastad

Position:

Certification Manager

Signature:
(for printed version)

Date:

2020-04-17

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

DNV GL Presafe AS
Veritasveien 3
1363 Høvik
Norway





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Manufacturer: **Avcon Controls Pvt. Ltd.**
Plot No. 65, Road No. 13 M.I.D.C ,
Andheri (East),
Mumbai 400 093
India

Additional
manufacturing
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

IEC 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-1:2014-06 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[NO/PRE/ExTR19.0098/00](#)

Quality Assessment Report:

[NO/PRE/QAR19.0023/00](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

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.

SPECIFIC CONDITIONS OF USE: YES as shown below:

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.