



# 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](http://www.iecex.com)

|                     |                                                                                                                                                        |             |                             |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------------|
| Certificate No.:    | <b>IECEx DNV 24.0089X</b>                                                                                                                              | Page 1 of 3 | <u>Certificate history:</u> |
| Status:             | <b>Current</b>                                                                                                                                         | Issue No: 0 |                             |
| Date of Issue:      | 2026-03-06                                                                                                                                             |             |                             |
| Applicant:          | <b>Delval Flow Controls Pvt. Ltd.</b><br>Gat No:25 , At- Kawathe,<br>Post- Jawale, Tal: Khandala,<br>Dist: Satara, Maharashtra, 412801<br><b>India</b> |             |                             |
| Equipment:          | <b>Series 83, Ex-P LSB (DelMonitor)</b>                                                                                                                |             |                             |
| Optional accessory: |                                                                                                                                                        |             |                             |
| Type of Protection: | <b>Ex db</b>                                                                                                                                           |             |                             |
| Marking:            | Ex db IIC T6 Gb (-20 ≤ Ta ≤ +60°C)                                                                                                                     |             |                             |

Approved for issue on behalf of the IECEx  
Certification Body:

**Asle Kaastad**

Position:

**Certification Manager**

Signature:  
(for printed version)

Date:  
(for printed version)

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](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

**DNV Product Assurance AS**  
**Veritasveien 1**  
**1363 Høvik**  
**Norway**





# IECEx Certificate of Conformity

Certificate No.: **IECEx DNV 24.0089X**

Page 2 of 3

Date of issue: 2026-03-06

Issue No: 0

Manufacturer: **Delval Flow Controls Pvt. Ltd.**  
Gat No:25 , At- Kawathe,  
Post- Jawale, Tal: Khandala,  
Dist: Satara, Maharashtra, 412801  
**India**

Manufacturing locations: **Delval Flow Controls Pvt. Ltd.**  
Gat No:25 , At- Kawathe,  
Post- Jawale, Tal: Khandala,  
Dist: Satara, Maharashtra, 412801  
**India**

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** 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/DNV/ExTR24.0089/00**

Quality Assessment Report:

**NO/DNV/QAR25.0007/00**



# IECEx Certificate of Conformity

Certificate No.: **IECEx DNV 24.0089X**

Page 3 of 3

Date of issue: 2026-03-06

Issue No: 0

## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

Refer Annex for details.

## **SPECIFIC CONDITIONS OF USE: YES as shown below:**

- The manufacturer has maintained more stringent gap and larger flamepath length 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.
- Wipe surface of polycarbonate dome cover used for indicator with moist / wet cloth.
- The fastening screws shall be of stainless steel socket head cap screws of property class A2-70 with minimum yield stress of
- It is the responsibility of the installation engineer to ensure that suitably IECEx Ex db IIC Gb IP67 equipment certified cable glands and blanking plug are installed, which are suitable for the ambient temperature range, in accordance with IEC 60079-14.

## **Annex:**

[Annex to certificate IECEx DNV 24.0089X\\_1.pdf](#)

**Annex to certificate: IECEx DNV 24.0089X Issue 0**

**General Product Information:**

The equipment is a Series 83, Ex-P LSB (DelMonitor), Model no. D2-EP. Equipment mainly consists of a top cover, bottom housing and shaft (operating rod). Top cover and bottom housing are made from aluminium alloy LM24. Alternate material of construction is cast alloy CF8M as per (ASTM A351). The minimum wall thickness of the equipment is 4mm.

O-ring (Ø1.9mm) made of nitrile rubber is provided between bottom housing and top cover and secured in the groove. O-ring (Ø 2.62mm) made of nitrile rubber is provided between Polycarbonate dome cover and top cover and secured in the groove. O-ring (Ø 2mm) made of nitrile rubber is provided between top operating rod and top cover and secured in groove. O-ring (Ø 2mm) made of nitrile rubber is provided between bottom operating rod and bottom housing and secured in groove. Top cover and bottom housing forms a spigot joint and is fastened to the bottom housing by eight stainless steel equidistance socket head cap screws of size M6 X 21L. Operating rod passes through a brass bush which is cast integrally with bottom housing and top cover. On top of the cover, dome cover made of Polycarbonate plastic material is provided to indicate position of valve "Open/ Close".

Type Identification with Electrical Rating:

| Sr. No. | Switches / Sensors | Current | Voltage        |
|---------|--------------------|---------|----------------|
| 1       | SPDT Switch        | 10 A    | 125V / 250 VAC |
| 2       | DPDT Switch        | 10 A    | 250 VAC        |
| 3       | DPDT Switch        | 0.3 A   | 125 VDC        |
| 4       | DPDT Switch        | 0.15 A  | 250 VDC        |
| 5       | Proximity Sensors  | 0.2 A   | 5-60 VDC       |

**Cable Entries**

The equipment is provided with maximum two cable entries of size 1/2" NPT. Alternate size of cable entry is 3/4" NPT. Cable entry has a threaded axial length of 18 mm. The cable entry port when mated with Ex db IIC certified cable gland will form a flame path meeting the requirements of the standard.

**Earthing**

One external and one internal earth points of the size M4 are provided with stainless steel pan Philip headed screw and toothed lock washers on the bottom housing. The terminals are suited for a connection of a 4mm<sup>2</sup> conductors.

**Type Designation:**

D2-EP

**Electrical Data:**

Refer General product information.

**Degrees of protection (IP Code)**

IP 67 as per IEC 60529

**Ambient temperature:**

-20°C to +60°C

**Routine tests:**

The equipment has not been subjected to 4 times overpressure test and hence manufacturer needs to conduct routine pressure test at 9.5 bar.