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 SEV 12.0006**

Page 1 of 5

Certificate history:

Status: **Current**

Issue No: 6

Issue 5 (2017-01-19)
Issue 4 (2015-08-12)
Issue 3 (2015-08-04)
Issue 2 (2014-04-08)
Issue 1 (2013-07-02)
Issue 0 (2012-11-15)

Date of Issue: 2021-12-03

Applicant: **Huba Control AG**
Industriestrasse 17
5436 Würenlos
Switzerland

Equipment: **Level sensing pressure transmitter 712**

Optional accessory:

Type of Protection: **ia**

Marking: Ex ia IIC T4 Ga

Approved for issue on behalf of the IECEx Certification Body: **Martin Plüss**

Position: **Manager Product Certification**

Signature:
(for printed version)

Date:

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:

Eurofins Electric & Electronic Product Testing AG
Luppmenstrasse 3
8320 FEHRALTORF .
Switzerland

eurofins | E&E

IECEx Certificate of Conformity

Certificate No.: **IECEx SEV 12.0006** Page 2 of 5

Date of issue: 2021-12-03 Issue No: 6

Manufacturer: **Huba Control AG**
Industriestrasse 17
5436 Würenlos
Switzerland

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 60079-11:2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

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:

CH/SEV/ExTR12.0006/06

Quality Assessment Report:

CH/SEV/QAR12.0006/06

IECEx Certificate of Conformity

EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

Level sensing pressure transmitter

Types:
712.* * * * 0 * * * 4 * (4-20 mA)
712.* * * * 1 * * * 4 * (ratiom.)
712.* * * * 2 * * * 4 * (ratiom. with temp.)
712.99***
118027 (junction box)

The pressure transducer 712 for level measurement (hereafter referred to as DMU), consists of the electronic circuit board, encapsulated together with the ceramic pressure measurement cell in a stainless steel housing.
The static pressure at the pressure measurement cell is recorded for pressure measurement. Measurement of absolute pressure as well as relative pressure is possible. The external air pressure is applied through the cable to the sensor for relative pressure measurement when pressure ranges are low. The measuring transducer serves as submersible / immersion sensor. The measurement cell, the housing and the cable are thus exposed to the medium.
The voltage signal of the pressure measuring cell is converted into a ratiometric voltage output signal in the transducer's circuitry. A version with a current output signal (4-20mA) is also available.
A temperature dependent voltage output signal is provided optionally.
The electrical supply circuit must be a certified, intrinsically-safe circuit with a level of protection "ia".

SPECIFIC CONDITIONS OF USE: NO

IECEx Certificate of Conformity

Equipment (continued):

Ratings:

For ratiometer types:

Ui	=	15 VDC
Ii	=	380 mA
Pi	=	750 mW
Ci	<	0.5 µF + 0.08 nF/m
Li	=	1.0 µH + 1.0 µH /m

For 4 – 20 mA types:

Ui	=	30 VDC
Ii	=	100 mA
Pi	=	750 mW
Ci	=	0 µF + 0.08 nF/m
Li	=	0 µH + 1.0 µH /m

For junction box:

Umax	=	30 VDC
Imax	=	200 mA

Classification of installation and use:	stationary
Ingress protection:	IP68
Rated ambient temperature range (°C):	-20 °C to +80 °C
Rated ambient temperature range (°C) for Ex Components:	N/A

IECEx Certificate of Conformity

Certificate No.: **IECEx SEV 12.0006** Page 5 of 5

Date of issue: 2021-12-03 Issue No: 6

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)
All previous addendums have been combined in a new file with current test reports and drawings.
The new file with reference number 21CH-00560.X07 replaces all previous editions.