



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification Scheme for Explosive Atmospheres
for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx BVS 13.0006X issue No.: 0 Certificate history:

Status: Current

Date of Issue: 2013-01-15 Page 1 of 3

Applicant: **holthausen elektronik GmbH**
Wevelinghoven 38
41334 Nettetal
Germany

Electrical Apparatus: Vibration monitor type ESW®-small-Ex...
Optional accessory:

Type of Protection: Equipment protection by flameproof enclosures "d", Equipment dust ignition protection by enclosure 't'

Marking: Ex d IIC T4 up to T6 Gb
Ex tb IIIC T80°C up to T115°C Db

Approved for issue on behalf of the IECEx Certification Body: H-Ch. Simanski

Position: Head of Certification Body

Signature:
(for printed version)

Date:

15/1/2013

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 the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

DEKRA EXAM GmbH
Dinnendahlstrasse 9
44809 Bochum
Germany





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Manufacturer: **holthausen elektronik GmbH**
Wevelinghoven 38
41334 Nettetal
Germany

Additional Manufacturing location
(s):

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 electrical apparatus 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 : 2007-10 Explosive atmospheres - Part 0: Equipment - General requirements
Edition: 5
IEC 60079-1 : 2007-04 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition: 6
IEC 60079-31 : 2008 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure 't'
Edition: 1

This Certificate does not indicate compliance with electrical 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:
[DE/BVS/ExTR13.0006/00](#)

Quality Assessment Report:
[DE/TUR/QAR12.0002/00](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Description

The vibration monitor type ESW®-small-Ex... is manufactured to meet the requirements of the type of protection Flameproof Enclosure 'd'. It is intended to protect machines against non-permissible vibration and for the use in atmospheres where combustible gases or dusts are present.

Routine verifications and tests

The routine test as specified in 16.1.1 of IEC 60079-1:2007 may be omitted as the overpressure test according to 15.1.3.1 of said standard was carried out successfully with a pressure of four times the reference pressure.

CONDITIONS OF CERTIFICATION: YES as shown below:

The dimensions of the flameproof joints are in parts other than the relevant minimum or maximum values of IEC 60079-1:2007. For information on the dimensions of the flameproof joints contact the manufacturer.
The enclosure has to be integrated into the potential equalisation of the machine to be monitored; this can be done either via the fastenings or via the connecting terminal.

The free cable end of the vibration monitor has to be connected either in an enclosure in one the types of protection stated in sec. 1 of IEC60079-0:2007 or outside the explosive atmosphere. In applications in Zone 21 it must be ensured when installing the connection cable that electrostatic charging cannot lead to ignitable discharges.