



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 PTB 07.0051X issue No.:0

History:

Status: **Current**

Date of Issue: **2007-07-27**

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Applicant: **SAMSON AG Mess- und Regeltechnik**
Weismuellerstr. 3
60314 Frankfurt am Main
Germany

Electrical Apparatus: **Solenoid Operated Valve Block type 3965-8..**
Optional accessory:

Type of Protection: **Construction, test and marking of type of protection "n" electrical apparatus; Protection by enclosures „tD“**

Marking: **Ex nA II T6 resp. Ex nL IIC T6 and Ex tD A21 IP54 T 80 °C resp. Ex tD A21 IP65 T 80 °C**

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

Dr.-Ing. Ulrich Johannsmeyer

Position:

Department Head "Intrinsic Safety and Safety of Systems"

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

Certificate issued by:

Physikalisch-Technische Bundesanstalt (PTB)
Bundesallee 100
38116 Braunschweig
Germany





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Manufacturer: **SAMSON AG Mess- und Regeltechnik**
Weismuellerstr. 3
60314 Frankfurt am Main
Germany

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 : 2004 Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
IEC 60079-15 : 2001 Edition: 2	Electrical apparatus for explosive gas atmospheres - Part 15: Type of protection 'n'
IEC 61241-1 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD"

*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/PTB/ExTR07.0033/00](#)

Quality Assessment Report:

[DE/TUN/QAR06.0011/00](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Solenoid Operated Valve Block type 3965-8... serves for converting electrical binary signals into pneumatic output signals.
It is used in hazardous locations.

For further information see annexe

CONDITIONS OF CERTIFICATION: YES as shown below:

- a) Under normal operating conditions the input circuits provided with type of protection Ex nA II are permitted to be connected, disconnected or switched on/off while live only during installation, maintenance and repair work.
- b) The input circuits provided with type of protection Ex nL IIC are permitted to be switched on/off in normal operation.
- c) If the Model 3965-8... Solenoid Operated Valve Block is to be used in hazardous locations where conductive dusts according to IEC 61241-0:2004 are present, it shall be mounted in an additional enclosure of steel or stainless steel resp. of plastic. Evidence shall be furnished that the enclosure inclusive of its connection facilities and bushings complies with Degree of Protection IP65 according to IEC 60529.
- d) When the solenoid operated valve block is to be mounted in a plastic enclosure, the enclosure made by Messrs. Rittal certified under PTB 03 ATEX 1011 U is to be used.

Annexe: [3965-8_Technical Data.pdf](#)