



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 07.0026X issue No.:0

History:

Status: **Current**

Date of Issue: **2007-07-27** Page 1 of 3

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

Electrical Apparatus: **Solenoid Valve Island type 3965-1..**
Optional accessory:

Type of Protection: **Intrinsic safety "i", Protection by enclosures "tD"**

Marking: **Ex ia IIC T6 and 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 60079-11 : 1999 Edition: 4	Electrical apparatus for explosive gas atmospheres - Part 11: Intrinsic safety 'i'
IEC 61241-0 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
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/ExTR07.0032/00](#)

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 Valve Island Type 3965 is a compact assembly of solenoid valves for the control of pneumatic actuators. The solenoid valves convert electrical binary input signals into pneumatic output signals. The Solenoid Valve Island is configurable and combinable with 2/2-, 3/2- and 5/2-way switching functions. The nominal input voltages U_N are 6, 12, and 24 V DC. For further information see annex.

CONDITIONS OF CERTIFICATION: YES as shown below:

If the Model 3965-1.. Solenoid-operated Valve Block is to be used in Zone 21 hazardous locations according to IEC 61241-1:2004, the equipment shall be mounted in an additional enclosure made of steel or stainless steel resp. or of plastic. The enclosure with its connection facilities and bushings shall be proven to comply with degree of protection IP 65 according to IEC 50529. If the solenoid-operated valve block is to be mounted in a plastic enclosure, the enclosure made by Messrs. Rittal and certified under PTB 03 ATEX 1011 U shall be used.

Annexe: [3965-1_Technical Data.pdf](#)