



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 07.0007X** Issue No.: **0**

Status: **Current**

Date of Issue: **2007-04-12** Page 1 of 4

Applicant: **Steute Schaltgeräte GmbH & Co. KG**
Brückenstrasse 91
32584 Löhne
Germany

Electrical Apparatus: **Magnetic reed switch type EEx RC ... 2...**
Optional accessory:

Type of Protection: **Encapsulation "m", Protection by enclosures "tD"**

Marking: **Ex mb II T6; Ex tD A21 IP 67 T 80 °C**


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

Dr. R. Jockers

Position:

Head of Certification Body

*Signature:
(for printed version)*


12.04.2007

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.

Certificate issued by:

DEKRA EXAM GmbH
Dinnendahlstrasse 9
44809 Bochum
Germany





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Manufacturer: **Steute Schaltgeräte GmbH & Co. KG**
Brückenstrasse 91
32584 Löhne
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 manufacture'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 60079-18 : 2004 Edition: 2.0	Electrical apparatus for explosive gas atmospheres - Part 18: Construction, test and marking of type of protection encapsulation 'm' electrical apparatus
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/BVS/ExTR07.0008/00

Quality Assessment Report:

DE/BVS/QAR06.0023/00



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Description

The magnetic reed switch is designed in type of protection encapsulation "m" and will be used for the implementation of switching operations. It is also suitable for the use in the presence of combustible dust.

Type

EEx RC ... 2...

Instead of the ... in the complete denomination letters and numerals will be inserted which characterize different variations of the enclosure and the internal switch.

CONDITIONS OF CERTIFICATION: YES as shown below:

Special conditions for use

The connection of the magnetic reed switch has to be made in housings which meet a standardized type of protection according IEC 60079-0, clause 1.

The short circuit current I_k of the supply source may not exceed the mentioned parameters, ensured by a external protective device.

The magnetic reed switch is suitable for an ambient temperature range from $-20\text{ }^{\circ}\text{C}$ to $+70\text{ }^{\circ}\text{C}$.



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EQUIPMENT(continued):

Parameters

Electrical Data:

Switching voltage	up to	AC	250	V
Switching current	up to		1.5	A
Switching capacity for change-over contact Element and for break-contact element	up to		50	VA resp. W
Switching capacity for normally open Contact element	up to		100	VA resp. W
Short-circuit current I _k for change-over contact element and for break-contact element	up to		2	A
Short-circuit current I _k for normally open Contact element	up to		5	A

Thermal Data

Range of ambient temperature -20 °C up to +70 °C