



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 KEM 09.0005X

Issue No: 0

Certificate history:

Issue No. 0 (2011-11-18)

Status: **Current**

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Date of Issue: **2011-11-18**

Applicant: **MEDER electronic AG**
Robert-Bosch-Strasse 4
78224 Singen
Germany

Equipment: **Reed Sensor Type MK25-1...-BV..... and MK25-1...-5000W**

Optional accessory:

Type of Protection: **Ex mb tD**

Marking: Ex mb II T6
Ex tD A21 IP6X T85 °C

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

T. Pijpker

Position:

Certification Manager

*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:

KEMA Quality B.V.
Utrechtseweg 310
6812 AR Arnhem
The Netherlands





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Manufacturer: **MEDER electronic AG**
Robert-Bosch-Strasse 4
78224 Singen
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 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 Edition:5	Explosive atmospheres - Part 0:Equipment - General requirements
IEC 60079-18 : 2009 Edition:3	Explosive atmospheres Part 18: Equipment protection by encapsulation "m"
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:

[NL/KEM/ExTR09.0004/00](#)

Quality Assessment Report:

[NL/KEM/QAR08.0054/02](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Magnetic Switches Type MK25-1A75-5000W, Type MK25-1A75-BV....., Type MK25-1A46-5000W, Type MK25-1A46-BV....., Type MK25-1C90F-5000W and Type MK25-1C90F-BV.... are reed switches, activated by a magnet that is moved by a Push Button. The switches, intended for fixed installation, are provided with an integral connection cable.

Ambient temperature range -40 °C to +60 °C .

SPECIFIC CONDITIONS OF USE: YES as shown below:

The encapsulated reed switch shall be mounted in such a way, that it is protected against the risk of mechanical danger and the influence of light.