

CERTIFICATE

(1) EC-Type Examination

(2) **Equipment and protective systems intended for use in potentially explosive atmospheres - Directive 94/9/EC**

(3) EC-Type Examination Certificate Number: **KEMA 05ATEX1206 X** Issue Number: **2**

(4) Equipment: **Reed Sensor 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.....**

(5) Manufacturer: **MEDER electronic AG**

(6) Address: **Robert-Bosch-Straße 4, 78224 Singen, Germany**

(7) This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) DEKRA Certification B.V., notified body number 0344 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the directive.

The examination and test results are recorded in confidential test report number NL/KEM/ExTR09.0004/xx.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN 60079-0 : 2009
EN 61241-1 : 2006**

EN 60079-18 : 2009

EN 61241-0 : 2006

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This EC-Type Examination Certificate relates only to the design, examination and tests of the specified equipment according to the Directive 94/9/EC. Further requirements of the directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.

(12) The marking of the equipment shall include the following:



**II 2 G Ex mb IIC T6
II 2 D Ex tD A21 IP65 T85 °C**

This certificate is issued on 18 November 2011 and, as far as applicable, shall be revised before the date of cessation of presumption of conformity of (one of) the standards mentioned above as communicated in the Official Journal of the European Union.

DEKRA Certification B.V.

T. Pijpker
Certification Manager

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(13) **SCHEDULE**

(14) **to EC-Type Examination Certificate KEMA 05ATEX1206 X**

Issue No. 2

(15) **Description**

Magnetic Switches Type MK25-1A75-....., Type MK25-1A46-..... and Type MK25-1C90-..... in several versions, with integral connection cable are reed switches used to switch an electrical load. The switch is actuated by a push button moved permanent magnet.

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

Electrical data

Type	MK25-1A75-.....	MK25-1A46-.....	MK25-1C90-.....
max. switching voltage	500 V	100 V	30 V
max. switching current	0,5 A	0,5 A	0,2 A
max. switching power	10 VA/W	10 VA/W	3 VA/W

Installation instructions

The instructions provided with the equipment shall be followed in detail to assure safe operation.

(16) **Test Report**

No. NL/KEM/ExTR09.0004/xx.

(17) **Special conditions for safe use**

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.

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at (9).

(19) **Test documentation**

As listed in Test Report No. NL/KEM/ExTR09.0004/xx.