

CERTIFICATE

(1) EU-Type Examination

(2) **Equipment or protective systems intended for use in potentially explosive atmospheres - Directive 2014/34/EU**

(3) EU-Type Examination Certificate Number: **KEMA 00ATEX1112 X** Issue Number: **3**

(4) Product: **Reed Sensor Type MK08-1....-BV..... and Type MK08-1....-4000W**

(5) Manufacturer: **StandexMeder electronics GmbH**

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

(7) This product 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 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products 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/ExTR09.0005/00.

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

EN 60079-0 : 2006
EN 61241-1 : 2004

EN 60079-18 : 2004

EN 61241-0 : 2006

except in respect of those requirements listed at item 18 of the Schedule.

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

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



II 2 GD Ex mb II T6
II 2 GD Ex tD A21 IP65 T85 °C

Date of certification: 30 June 2016

DEKRA Certification B.V.

R. Schuller
Certification Manager



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(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate KEMA 00ATEX1112 X**

Issue No. 3

(15) **Description**

Reed Sensors Type MK08-1...-BV..... and Type MK08-1....-4000W in several versions, with integral connection cable, are used to switch an electrical load. The switch is actuated by the influence of an external permanent magnet.

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

Electrical data

Type MK08-1.66-...

Switching voltage	≤ 180 Vdc
Switching current	≤ 0,5 A
Switching power	≤ 10 VA

Type MK08-1.74-...

Switching voltage	≤ 200 Vdc or 250 Vac
Switching current	≤ 1 A
Switching power	≤ 30 VA

Type MK08-1.75-... and Type MK08-1.75-...

Switching voltage	≤ 400 Vdc
Switching current	≤ 0,5 A
Switching power	≤ 10 VA

Type MK08-1.84-... and Type MK08-1.84-...

Switching voltage	≤ 400 Vdc
Switching current	≤ 0,5 A
Switching power	≤ 10 VA

Installation instructions

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

(16) **Report Number**

No. NL/KEM/ExTR09.0005/00

(17) **Specific conditions of use**

1. The Reed Sensor must be installed such, that the risk of mechanical danger is excluded.
2. The Reed Sensor must be installed such that is protected against exposure to light.
3. The electrical circuit to which the Reed Sensor is connected must be protected with a suitably rated fuse, with a breaking capacity in accordance with the fault current of the circuit.

(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate KEMA 00ATEX1112 X**

Issue No. **3**

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

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in Report No. NL/KEM/ExTR09.0005/00.

(20) **Certificate history**

Issue 1 - 200147000	initial certificate
Issue 2 - 212085100	Update to latest edition of the standards
Issue 3 - 219445100	Name change of manufacturer