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Erstellt/Issued by QM	Datum/Date 28.09.09		

Wir/We

MEDER electronic AG
Robert-Bosch-Straße 4
78224 Singen/Htwl.
Germany

erklären in alleiniger Verantwortung, dass das Produkt/*declare under our sole responsibility that the product*

Reedsensoren MK08-1...BV... / Reed Sensors MK08-1...BV...

auf das sich diese Erklärung bezieht, mit der/den folgenden Norm(en) oder normativen Dokumente(n) übereinstimmt./

to which this declaration relates is in conformity with the following standard(s) or other normative document(s).

Richtlinie 94/9/EG des Europäischen Parlaments und des Rates zur Angleichung der Rechtsvorschriften der Mitgliedstaaten für Geräte und Schutzsysteme zur bestimmungsgemäßen Verwendung in explosionsgefährdeten Bereichen / Anhang IV und VII

Directive 94/9/EC of the European Parliament and the council for the harmonization of the legal regulations of member states for devices and protective systems designed for use in areas subject to explosion hazards / Annex IV and VII

EN 60079-0 : 2006 Elektrische Betriebsmittel für gasexplosionsgefährdete Bereiche – Allgemeine Anforderungen

EN 60079-0 : 2006 Electrical apparatus for explosive gas atmospheres – General requirements

EN 60079-18 : 2004 Elektrische Betriebsmittel für gasexplosionsgefährdete Bereiche; Vergusskapselung „m“

EN 60079-18 : 2004 Electrical apparatus for explosive gas atmospheres; Encapsulation “m”

EN 61241-0 : 2006 Elektrische Betriebsmittel zur Verwendung in Bereichen mit brennbarem Staub – Allgemeine Anforderungen

EN 61241-0 : 2006 Electrical apparatus for use in the presence of combustible dust – General requirements

EN 61241-1 : 2006 Elektrische Betriebsmittel zur Verwendung in Bereichen mit brennbarem Staub; Schutz durch Gehäuse „tD“

EN 61241-1 : 2006 Electrical apparatus for use in the presence of combustible dust – Protection by enclosures “tD”

Benannte Stelle:/Notified Body:

KEMA Quality B.V
Utrechtsweg 310
6812 AR Arnhem
Niederlande
Kennnummer: CE 0344

EG-Baumusterprüfbescheinigung:/EC-Type Examination Certificate:

KEMA 00ATEX1112 X
IECEX KEM09.0006 X

Singen, den 28.09.09


(Ort und Datum der Ausstellung)/(Place and date of issue)



MEDER electronic AG

Kai Olbrich

(Name und Unterschrift oder gleichwertige Kennzeichnung des Befugten)/(name and signature or equivalent marking of authorized person)

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Operating instruction of MK08 Reed Sensors

Scope

The Reed Sensors

MK08-1xxx-BVxxx

with integral cable, are used to switch an electrical load. The switch is actuated by the influence of an external permanent magnet.

The Reed Sensors have been build according to the guidelines of Ex mb II T6 and Ex tD A21 IP65 T85 °C and have been certified according to accreditation of KEMA 00ATEX1112 X and IECEx KEM09.0006 X.

Declaration rating plate

Manufacturer:	MEDER electronic AG, 78224 Singen/Htwl., Germany
Type , e.g.:	MK08-1B84-BV300 / MK08-1B75-BV339
Switching Voltage:	max. 400VDC *
Switching Current:	max. 0,5A
Switching Capacity:	max. 10 VA **
CE:	CE 0344
Guideline:	< Ex > II 2 GD
Ambient Temperature:	-40 to +60°C
Code Ex:	Ex mb II T6 and
Code IECEx:	Ex tD A21 IP65 T85 °C
Certificate:	KEMA 00ATEX 1112 X IECEx KEM09.0006 X
Production Date:	according to EN 60062 / 2-digit (year/month)
* for contact 66:	max. 180VDC max. 0,5A
* for contact 74:	max. 200VDC / 250VAC max. 1A
** for contact 74:	max. 30VA

Handling and other advices

When mounting the sensor attention has to be paid that the sensors are treated professional with appropriate attention; especially shock exposures have to be avoided. The Reed Sensor must be installed such, that the risk of mechanical danger is excluded and that is protected for exposure to light.

As the products marked ...-1B84-... are products with pre-loaded NOCs (Normally open contact) you have to pay attention that the magnet is approach with the correct polarity.

The connecting cables of the sensor either have to be outside the explosive area or – if within - have to be connected with an appropriate connection housing which complies with the demanded Ex-protection-class.

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.

Limit values

The electrical and physical limit values can be found on the individual datasheets and may never, not even for a short period of time, be exceeded.

Essential Health and Safety Requirements

Covered by the standards listed at page 1.