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Erstellt/Issued by QM	Datum/Date 26.03.08		

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*

Reed Sensor / Reed Sensor

MK25-1A75-5000W
MK25-1A46-5000W
MK25-1C90F-5000W
MK25-1A75-BVxxxxx
MK25-1A46-BVxxxxx
MK25-1C90F-BVxxxxx

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 50014 : 1997 Elektrische Betriebsmittel für explosionsgefährdete Bereiche - Allgemeine Bestimmungen

EN 50014 : 1997 Electrical apparatus for potentially explosive atmospheres - General requirements

EN 50028 : 1987 Elektrische Betriebsmittel für explosionsgefährdete Bereiche; Vergusskapselung m

EN 50028 : 1987 Electrical apparatus for potentially explosive atmospheres. Encapsulation 'm'

Benannte Stelle:/Notified Body:

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

EG-Baumusterprüfbescheinigung:/EC-Type Examination Certificate: **KEMA 05ATEX1206 X**

Singen, den 26.03.08

(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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Scope

The Reed Sensors

MK25-1A75-5000W
 MK25-1A46-5000W
 MK25-1C90F-5000W
 MK25-1A75-BVxxxxx
 MK25-1A46-BVxxxxx
 MK25-1C90F-BVxxxxx

have been build according to the guidelines of EEx m II T6 and have been certified according to accreditation KEMA 05ATEX1206 X.

Declaration rating plate

Manufacturer:	MEDER electronic AG D-78224 Singen / Htwl.
Type, e.g.:	MK25-1A75-5000W
Switching Voltage:	max. 230VDC*
Switching Capacity:	max. 10VA/W
CE:	CE 0344
Guideline:	< EX > 94/9 EG
Ambient Temperature:	-40°C ... +60°C
Code EEx:	II 2G EEx m II T6
Certificate:	KEMA 05ATEX1206 X
Production date:	according to EN 60062 / 2-digit (Year / Month)
*for contact 46:	max. 200VDC
*for contact 90:	max. 175VDC

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Mounting/Initial operation

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 sensors may be attached to fitting panels from 1mm to 4mm thickness. Thereby the drilling template for mounting, as shown on the datasheet *sensor housing complete*, has to be taken into consideration.

When mounting several MK25 next to each other, a minimum spacing of 42mm has to be taken into consideration.

The cable-exit is adjustable in all directions and can thus be customized for the respective application. During mounting the push button is assembled to the cut out and the sensor housing is screwed onto the back.

Starting from a fitting panel thickness of 2mm an optional rubber seal (quod vide DS 4003003154) may be used.

A key protection membrane 4003007055 is also available as accessory. That membrane is recommended in case the sensor is exposed to climatic influences.

Specific conditions for Ex-Applications

The sensor has to be mounted that way he is protected from mechanical stress as well as direct solar irradiation.

To comply with the demanded Ex-protection-class the electrical and physical limit values (those may be taken from the enclosed datasheets) may at no time, not even for a short period of time, exceeded. In case an additional self-resetting overload protection is installed to protect the sensor or power connector, his switching capacity has to be able to cope with the expected short circuit current of the power supply unit.

The connecting cable of the sensor either has to be outside the explosive area or has to be connected with an electrical connection which complies with the demanded Ex-protection-class according to paragraph 1.2 EN 50014.