

Mounting instruction for MK08 Reed Sensors

Manufacturer: StandexMeder Electronics GmbH, Robert-Bosch-Straße 4, 78224 Singen, Germany

Scope

The MK08 Reed Sensors 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 KEMA 05ATEX1112 X and IECEx KEM09.0006 X.

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 ...-1Bxx-... 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 con-nected 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 declaration of conformity.

Marking:

Manufacture:	StandexMeder Electronics GmbH, 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. 10VA/W**
CE:	CE 0344
Guideline:	< EX > 2 GD
Ambient Temperature:	-40°C ... +60°C
Certificate:	KEMA 05ATEX1112 X IECEx KEM09.0006 X
Production date:	according to EN 60062 / 2digit (Year / Month)
*for Contact 66:	max. 180VDC max. 0,5A
*for Contact 74:	max. 200VDC / 250VAC max. 1,0A
**for Contact 74:	max. 30VA

Type of protection:



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