



Translation

**EC-Type Examination Certificate**

- (1)
- (2) **- Directive 94/9/EC -**  
**Equipment and protective systems intended for use**  
**in potentially explosive atmospheres**
- (3) **DMT 01 ATEX E 058 X**
- (4) **Equipment:**      **Magnetic reed switch Type EEx RC... Art.No.: 2.....**
- (5) **Manufacturer:**    **Steute Schaltgeräte GmbH & Co. KG**
- (6) **Address:**        **D 32567 Löhne**
- (7) The design and construction of this equipment and any acceptable variation thereto are specified in the schedule to this type examination certificate.
- (8) The certification body of Deutsche Montan Technologie GmbH, notified body no. 0158 in accordance with Article 9 of the Directive 94/9/EC of the European Parliament and the Council 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 the test and assessment report BVS PP 01.2051 EG.
- (9) The Essential Health and Safety Requirements are assured by compliance with:
- EN 50014:1997+A1-A2    General requirements  
EN 50028:1987         Encapsulation „m“
- (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 in accordance to 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 2G EEx m II T6**

**Deutsche Montan Technologie GmbH**

Essen, dated 08. May 2001

Signed: Jockers

Signed: Dill

DMT-Certification body

Head of special services unit

(13)

Appendix to

(14)

# EC-Type Examination Certificate

## DMT 01 ATEX E 058 X

(15) 15.1 Subject and typeMagnetic reed switch Type EEx RC... Art.Nr.: 2.....15.2 Description

The magnetic reed switch is designed for the protection method encapsulation „m“ and will be used for the implementation of switching operations.

15.3 Parameters

## 15.3.1 Electrical Data:

Switching voltage	to	AC 250	V
Switching current	to	1,5	A
Switching capacity for change-over contact element and for break-contact element	to	50	VA/W
Switching capacity for normally open contact element	to	100	VA/W
Short-circuit current $I_k$ for change-over contact element and for break-contact element	to	2	A
Short-circuit current $I_k$ for normally open contact element	to	5	A

## 15.3.2 Thermal Dates

Range of ambient temperature -20 °C bis +70 °C

(16) Test and assessment report

BVS PP 01.2051 EG as of 08.05.2001

(17) Special conditions for safe use

17.1 The connection of the magnetic reed switch has to be made in housings which meet a standardized type of protection according EN 50014, 1.2

17.2 The short-circuit  $I_k$  of the supply source may not exceed the parameters which are mentioned under 15.3.1

17.3 The magnetic reed switch is suitable for an ambient temperature range from -20°C to +70°C.

17.4 Housings with a diameter less than 15 mm (Type RC ... Art.No.: 214.... to Type RC ... Art.No.: 212.... ) have to be arranged that they are protected against mechanical danger.

We confirm the correctness of the translation from the German original.  
In the case of arbitration only the German wording shall be valid and binding.

45307 Essen, 08.10.2002

BVS-Ld/Mi E 1621/02

Deutsche Montan Technologie GmbH


  
 DMT-Certification body


  
 Head of special services unit