



Translation

**EC-Type Examination Certificate**

(1)

(2)

**- Directive 94/9/EC -  
Equipment and protective systems intended for use  
in potentially explosive atmospheres**

(3)

**DMT 02 ATEX E 122**

(4)

**Equipment: Single disc spring applied brake type 76.....B..**

(5)

**Manufacturer: Kendrion Binder Magnete GmbH  
Power Transmission**

(6)

**Address: D 78048 Villingen-Schwenningen**

(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 02.2102 EG.

(9)

The Essential Health and Safety Requirements are assured by compliance with:

EN 50014:1997+A1-A2	General requirements
EN 50018:2000	Flameproof enclosure
EN 50019:2000	Increased safety
EN 50281-1-1:1998	Dust protection

(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 de IIC T5**

**I M2 EEx de I**

**II 2D IP67 T 100 °C**

**II 2D IP67 T 100 °C**

**bzw.**

**II 2G EEx de IIC T5**

**I M2 EEx de I**

**Deutsche Montan Technologie GmbH**

Essen, dated 09. October 2002

Signed: Jockers

Signed: Eickhoff

DMT-Certification body

Head of special services unit



(13)

Appendix to

(14)

## EC-Type Examination Certificate

### DMT 01 ATEX E 122

(15) 15.1 Subject and type

Single disc spring applied brake type 76.....B..

For a further differentiation the dots in the type marking will be replaced for other signs regarding size, group and variations of the design.

#### 15.2 Description

The brakes are designed for the type of protection flameproof enclosure "d" for the brake enclosure and in the type of protection increased safety „e“ for the connection box.. The brakes are intended to brake the mass inertia moment and to hold fixed installed engines (electrical motors).

The brakes are manufactured in 6 different sizes based on the same design. They are equipped with 2 double temperature switches (contact opens) connected in a row for a direct temperature protection.

#### 15.3 Parameters

##### Electrical Parameters

Rated Voltage	DC	12	up to	356	V
	AC	13	up to	400	V
Rated Power	Size 10 and 11		up to	56	W
	Size 13 and 16		up to	82	W
	Size 19 and 24		up to	91	W
Rated rotation speed			up to	6000	min <sup>-1</sup>
Control circuit (micro switch)					
Voltage	AC			250	V
Current	up to			1,6	A
Control circuit (temperature switch)					
Voltage	AC			250	V
Current	up to			1,5	A

(16) Test and assessment report

BVS PP 02.2102 EG as of 09.10.2002

(17) Special conditions for safe use

None



---

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, 09.10.2002  
BVS-Ld/Mi A 20020110

**Deutsche Montan Technologie GmbH**

DMT-Certification body

Head of special services unit