



Translation

EC-Type Examination Certificate

(1)

EC-Type Examination Certificate

(2)

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

(3)

BVS 03 ATEX E 295

(4)

Equipment: Ventilmagnet-Baureihe type 148x und 168x

(5)

Manufacturer: NORGREN GmbH, Werk Fellbach

(6)

Address: D 70736 Fellbach

(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 EXAM BBG Prüf- und Zertifizier 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 03.2193 EG.

(9)

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

EN 50014:1997 +A1-A2 General requirements
EN 50018:2000 +A1 Flameproof enclosure 'd'
EN 50281-1-1:1998 +A1 Dust explosion 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 2GD EEx d IIC T4 IP6X T 90 °C für Typ 148* und
II 2GD EEx d IIC T4 IP6X T 105 °C für Typ 168*

EXAM BBG Prüf- und Zertifizier GmbH

Bochum, dated 20. February 2004

Signed: Dr. Jockers

Signed: Dr. Eickhoff

Certification body

Special services unit



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15.3 Parameters

Type	DC [V]	Rated voltage		Rated power	Nominal power	Category Type of protection
		UC [V] 0...60 Hz	AC [V] 40...60 Hz			
1480	12...250	24	25...400	20 W	23,5 W	II 2GD EEx d IIC T4 IP6X T 90 °C
1481				24 VA	27 VA	
1482	12...250	24	25...400	20 W	23,5 W	
1483				24 VA	27 VA	
1484	12...125	24	25...250	20 W	23,5 W	
1485				24 VA	27 VA	
1486	12...125	24	25...250	20 W	23,5 W	
1487				24 VA	27 VA	

1680	12...250	24	25...250	39 W	42 W	II 2GD EEx d IIC T4 IP6X T 105 °C
1681				42 VA	48 VA	
1682	12...250	24	25...400	39 W	42 W	
1683				42 VA	48 VA	
1684	12...125	24	25...250	39 W	42 W	
1685				42 VA	48 VA	
1686	12...125	24	25...250	39 W	42 W	
1687				42 VA	48 VA	

Ambient temperature range

-40 °C ≥ Ta ≥ 60 °C

(16) Test and assessment report
 BVS PP 03.2193 EG as of 20.02.2004

(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.

44809 Bochum, 20.02.2004
 BVS-Kem/Mi A 20030358

EXAM BBG Prüf- und Zertifizier GmbH


 Certification body


 Special services unit