



Translation

**EC-Type Examination Certificate**

- Directive 94/9/EC -

Equipment and protective systems intended for use  
in potentially explosive atmospheres

**BVS 08 ATEX E 117**

- (4) **Equipment:** Valve magnet type 157\*
- (5) **Manufacturer:** Norgren GmbH
- (6) **Address:** 70736 Fellbach, Germany
- (7) The design and construction of this equipment and any acceptable variation thereto are specified in the appendix to this type examination certificate.
- (8) The certification body of DEKRA EXAM 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 8.2154 EG.
- (9) The Essential Health and Safety Requirements are assured by compliance with:
- |                  |                      |
|------------------|----------------------|
| EN 60079-0:2006  | General requirements |
| EN 60079-7:2003  | Increased safety     |
| EN 60079-18:2004 | Encapsulation        |
- (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 appendix 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 Ex emb II T4**

**DEKRA EXAM GmbH**  
Bochum, dated 24. September 2008

Signed: Dr. Jockers

Certification body

Signed: Dr. Eickhoff

Special services unit

(13) Appendix to

(14) **EC-Type Examination Certificate**

**BVS 08 ATEX E 117**

(15) 15.1 Subject and type

Valve magnet type 157\*

The asterisks of the type marking shall be replaced by numbers that indicate the different versions available.

15.2 Description

The valve magnet type type 157\* consists of a steel-tube enclosure and a lid of pressure-cast aluminium.

Its interior components, consisting of a reel, an upper magnet brace (disk) as well as the connecting plate with its wiring and terminals are all encapsulated.

The reel meets the requirements of the type of protection Increased Safety 'e', the terminals (see separate certificate) also meet the requirements of Increased Safety.

The electrical connection is done via a separately certified cable and conduit entry of the type of protection Increased Safety.

15.3 Parameters

Type	Nominal power	Nominal voltage	Permitted ambient temperature range	Temperature class
1570	39 W	DC 12...250 V	-20 °C...+40 °C	T4
1571	42 VA	UC 24 V AC 25...400 V		
1572	39 W	DC 12...125 V	-20 °C...+40 °C	
1573	42 VA	UC 24 V AC 25...238 V		
1574	24 W	DC 12...250 V	-20 °C...+60 °C	
1575	26 VA	UC 24 V AC 25...400 V		
1576	24 W	DC 12...125 V	-20 °C...+60 °C	
1577	26 VA	UC 24 V AC 25...238 V		

The maximum temperature permitted at the branching point and cable and conduit entry is 95 °C.

(16) Test and assessment report

BVS PP 08.2154 EG as of 24.09.2008

(17) Special conditions for safe use

None

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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, 08.10.2008  
BVS-Hk/Ar E 1457/08

**DEKRA EXAM GmbH**

  
\_\_\_\_\_  
Certification body

  
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Special services unit