



Translation

## STATEMENT OF CONFORMITY

(1)

(2) Equipment or Protective System intended for use in potentially explosive atmospheres - **Directive 94/9/EC**



(3) Test certificate number

**TÜV 02 ATEX 1867 X**

(4) Equipment: Positioner TZID type Doc 900920

(5) Manufacturer: ABB Automation Products GmbH

(6) Address: Schillerstraße 72  
D-32425 Minden

(7) This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) The TÜV NORD CERT GmbH & Co. KG, TÜV CERT-Certification Body, notified body number N° 0032 in accordance with Article 9 of the Council Directive 94/9/EC of March 23, 1994, certifies that this equipment or protective system 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 confidential report N° 02YEX 164852.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN 50021:1999**

(10) If the sign "X" is placed after the certification number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This statement of conformity certificate relates only to the design, examination and tests of the specified equipment in accordance to the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

(12) The marking of the equipment or protective system shall include the following:

 **II 3 G EEx EEx n A II T6**

TÜV NORD CERT GmbH & Co. KG  
TÜV CERT-Certification Body  
Am TÜV 1  
D-30519 Hannover  
Tel.: 0511 986-1470  
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Hanover, 2002-07-17



**TÜV NORD CERT**

Head of the  
Certification Body

(13)

## SCHEDULE

### (14) STATEMENT OF CONFORMITY N° TÜV 02 ATEX 1867 X

#### (15) Description of equipment or protective system

The Positioner TZID type Doc 900920 is used for the conversion of an impressed d. c. current (0 ... 20 mA) into a proportional pressure, which can be used for the control of pneumatically adjustable devices.  
The Positioner TZID type Doc 900920 may be installed in explosion hazardous areas that require apparatus of the category 3.

The permissible ambient temperature range in dependence of the temperature class has to be taken from the following table:

Temperature class	Ambient temperature range
T6	-40°C to +50°C
T5	-40°C to +65°C
T4	-40°C to +85°C

#### Electrical data

Analog input circuit ..... U = 9,8 V d. c.; 4 ... 20 mA, max. 21,5 mA  
(Terminals 12[-], 11[+] )

Alarm circuit (min.) ..... U = 25 V d. c., 12 mA  
(Terminals 42[-], 41[+] )

Alarm circuit (max.) ..... U = 25 V d. c., 12 mA  
(Terminals 52[-], 51[+] )

Analog output circuit ..... U = 30 V d. c.; 4 ... 20 mA, max. 21,5 mA  
(Terminals 32[-], 31[+] )

circuit for  
digital feedback ..... U = 16 V d. c.; 7 mA  
(Terminals 44[-], 45[+] )

#### (16) Test documents are listed in the test report no. 02YEX164852.

Schedule statement of conformity N° TÜV 02 ATEX 1867 X

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(17) Special conditions for safe use

1. Only devices, which are suitable for the operation in explosion hazardous areas of the zone 2 and the conditions available at the place of operation (Declaration of conformity or certificate of a testing department), are allowed to be connected to non intrinsically safe circuits in the zone 2.
2. The connecting and disconnecting as well as the switching of circuits under voltage, is only permitted during installation, for maintenance or for repair purposes.  
Note: The temporal coincidence of explosion hazardous atmosphere and installation, maintenance resp. repair purposes is assessed as unlikely.
3. For the alarm circuits, the circuit for the digital feedback and the analog output circuit measures have to be taken outside the device, that the rated voltage is exceeded not more than 40% by transient disturbances.
4. Only non combustible gases are allowed to be used as pneumatic auxiliary energy.
5. Only suitable cable entries, which meet the requirements of EN 50 021, are allowed to be used.

(18) Essential Health and Safety Requirements

no additional ones