



Translation

(1) **EC TYPE-EXAMINATION CERTIFICATE**

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



(3) EC-Type Examination Certificate Number

TÜV 01 ATEX 1778 X

(4) Equipment: Door-holding-solenoid type **eD 1475/..**

(5) Manufacturer: W. Vershoven GmbH Elektrotechnik
Riedlinger Str. 10

(6) Address: D-45141 Essen

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

(8) The TÜV Hannover/Sachsen-Anhalt e.V., TÜV CERT-Certification Body, notified body number N° 0032 in accordance with Article 9 of the Council Directive of the EC of March 23, 1994 (94/9/EC), 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 the confidential report N° 01 YEX 137111.

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

EN 50014:1997

EN 50019:2000

EN 50028:1987

(10) If the sign "X" is placed after the certificate 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 EC-type examination certificate relates only to the design and construction of the specified equipment or protective system according to Directive 94/9/EC. Further requirements of this Directive apply to the manufacture and placing on the market of this equipment or protective system.

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

 **II 2 G EEx m e II T6**

TÜV Hannover/Sachsen-Anhalt e.V.
TÜV CERT-Zertifizierungsstelle
Am TÜV 1
D-30519 Hannover

Hanover, 2001-11-29

Head of the
Certification Body



TÜV NORD CERT



(13) **SCHEDULE**

(14) **EC-TYPE EXAMINATION CERTIFICATE N° TÜV 01 ATEX 1778 X**

(15) Description of equipment

The door-holding-solenoid of the types eD 1475/50, eD 1475/70 und eD 1475/80 is preferably used in door locking devices.

The door-holding-magnet itself is realised in the type of protection Encapsulation „m“ and the connection is realised in Increased Safety „e“.

Electrical data

Nominal voltage	24 V \pm 10 % d.c.
Nominal current	max. 325 mA
Power consumption	max. 7,8 W

(16) Test documents are listed in the test report No.: 01 YEX 137111.

(17) Special conditions for safe use

The door-holding-solenoid has to be mounted in such a way that the surface of its encapsulation is only exposed to a low level of hazard of mechanical damage.

Each door-holding-solenoid has to be protected with a fuse against short-circuit. This fuse has to be dimensioned according to the rated current of the magnet (max. $3 \times I_B$ according to DIN 41571 or IEC 127). The fuse may be placed into the accessory supply device or can be installed separately. The nominal voltage of the fuse must be equal or greater than the nominal voltage of the solenoid. The breaking capacity of the fuse has to be equal or greater than the expected maximum short circuit current at the installation site (usually 1500 A)

The maximum allowed ripple factor of the d.c. current supply is 20 %.

(18) Essential Health and Safety Requirements

no additional ones