

## Translation



(1) **EU-Type Examination Certificate**

(2) Component intended for use in potentially explosive atmospheres, **Directive 2014/34/EU**

(3) **Certificate Number:** TÜV 03 ATEX 2162 U **Issue:** 01

(4) for the product: Switch type 177

(5) of the manufacturer: Dosch Messapparate GmbH

(6) Address: Kamenzer Damm 85  
12249 Berlin, Deutschland

Order number: 8003070635

Date of issue: See date of signature

(7) The design of this product and any acceptable variation thereto are specified in the schedule to this EU-Type Examination Certificate and the documents therein referred to.

(8) The TÜV NORD CERT GmbH, Notified Body No. 0044, in accordance with Article 17 of the Directive 2014/34/EU of the European Parliament and the Council of 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential ATEX Assessment Report No. 24 203 371783.

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

**EN IEC 60079-0:2018/AC:2020-02**

**EN 60079-1:2014/AC:2018-09**

except in respect of those requirements listed at item 18 of the schedule.

(10) If the sign "U" is placed after the certificate number, it indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may only be used as a basis for a certification of equipment and protective systems.

(11) This EU-Type Examination Certificate relates only to the design, and construction of the specified product. 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 product shall include the following:



**II 2 G Ex db IIC Gb**

TÜV NORD CERT GmbH, Am TÜV 1, 45307 Essen, notified by the central office of the countries for safety engineering (ZLS), Ident. Nr. 0044, legal successor of the TÜV NORD CERT GmbH & Co. KG Ident. Nr. 0032

The deputy head of the notified body

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(13) **SCHEDULE**

(14) **EU-Type Examination Certificate TÜV 03 ATEX 2162 U Issue 01**

(15) Description of product

The switch type 177 in type of protection flameproof enclosure consists of a metal sleeve, a magnetic switch and a potting as flameproof termination.

The electrical connection is made via potted connection wires.

The switch type 177 is designed for installation in monitoring devices of the EARL type series.

Technical data

Range of the permitted ambient temperature	- 20 °C to +60 °C	
Limiting switching frequency	60 switching cycles per minute	
Switch name	177GWW	177GWW
Type of magnetic switch	8443-09-..	8003-02-..
Max. Contact resistance	300 mΩ	300 mΩ
Max. Switching voltage AC	250 V	42 V
Max. Switching current	2 A	0,3 A
Max. Switching capacity	300 W	13 W
Max. Switching voltage DC	250 V	42 V
Max. Switching current	2 A	0,3 A
Max. Switching capacity	200 W	13 W
Max. Surface temperature	80 °C	

(16) Drawings and documents are listed in the ATEX Assessment Report No. 24 203 371783

(17) Specific Conditions for Use

The following notes for erection and operation must be observed:

- The switch must be installed within a separately certified protective housing having an accepted type of protection according to EN 60079-0.
- The load capacity of the switch is designed for circuits with a purely ohmic load. In the case of a capacitive and / or inductive load, the contacts must be protected in such a way that the application does not exceed the permissible contact load capacity.
- Ensure that the switching currents determined in the technical specifications do not exceed in case of failure.

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- The switch must be included in the potential equalization of the housing via the mounting.
- Range of the permitted ambient temperature: -20 °C to +60 °C

(18) Essential Health and Safety Requirements

no additional ones

- End of EU-Type Examination Certificate -