

Translation

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

- (2) Equipment and protective systems intended for use in potentially explosive atmospheres, **Directive 2014/34/EU**



(3) **Certificate Number** TÜV 03 ATEX 2043 X **issue:** 00

- (4) for the product: Snap action switch installed in a metal enclosure
type ...SU1.Ex... resp.
type ...SU1. / SU1.Ex...

(5) of the manufacturer: Bernstein AG

(6) Address: Hans-Bernstein-Straße 1
32457 Porta Westfalica
Deutschland

Order number: 8000471635

Date of issue: 2017-05-29

- (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. 17 203 199528.

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

EN 60079-0:2012 + A11:2013 EN 60079-1:2014

EN 60079-31:2014

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

- (10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions for Use specified in the schedule to this certificate.

- 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 T6 Gb

II 2 D Ex tb IIIC T80 °C Db

TÜV NORD CERT GmbH, Langemarckstraße 20, 45141 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 head of the notified body


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(13) SCHEDULE

(14) EU-Type Examination Certificate No. TÜV 03 ATEX 2043 X issue 00

(15) Description of product

The Snap Action Switch installed in a metal enclosure type ...SU1.Ex ... resp. type ...SU1. / SU1.Ex ... is used as a machine-operated control switch. The included built-in switch is a changeover double gap contact element (1 break and 1 make contact separated). The necessary protection against mechanical stress is reached by mounting in a metal enclosure.

The electrical connection is provided by means of a connecting cable which is molded in the internal Snap Action Switch. For the leading-in of the cable into the enclosure a cable entry is used which is screwed in the wall of the enclosure.

Technical data:

Permitted range of ambient temperature	-20 °C to +60 °C	
Switching capacity		
Voltage max.	250 V	240 V
Current max.	0.27 A	3.0 A
Related to utilization category	DC-13	AC-15
<i>Provided the making and breaking capacity complies with the relevant conditions other values are accepted and will be defined by the manufacturer on the basis of the operating mode, utilization category ect..</i>		
Rated operating voltage	230 V AC	
Type of contacts	changeover double gap contact element (1 break and 1 make contact separated)	
Temperature class at conventional thermal current and max. permissible ambient temperature	T6 5 A +60 °C	
The Snap Action Switch installed in a metal enclosure is designed for a temperature resistance of 100°C.		
Nominal conductor cross section max.	2 to 4 x 0.75 mm ²	

(16) Drawings and documents are listed in the ATEX Assessment Report No. 17 203 199528.

Schedule to EU-Type Examination Certificate No. TÜV 03 ATEX 2043 X issue 00

(17) Specific Conditions for Use

The connection cable of the switch must be installed fixed and protected against mechanical damage. The cable must be connected in an enclosure which corresponds to a recognized type of protection according to EN 60079-0, if the connection is made in a hazardous area.

(18) Essential Health and Safety Requirements

no additional ones

- End of Certificate -