

EU - Type Examination Certificate

(1)

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

(3) EU - Type Examination Certificate Number

EPS 14 ATEX 1 641 X

Revision 2

(4) Equipment: Limit switch box: i-box IV...IA...

(5) Manufacturer: EUROTEC Antriebszubehör GmbH

(6) Address: Bildstock 37
88085 Langenargen
Germany

(7) This equipment and any acceptable variation thereto are specified in the annex to this certificate and the documentation therein referred to.

(8) Bureau Veritas Consumer Products Services Germany GmbH, notified body No. 2004 in accordance with Article 21 given in the Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014, 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 of the Directive. The examination and test results are recorded in the confidential documentation under the reference number 14TH0067.

(9) Compliance with the essential health and safety requirements has been assured by compliance with:

EN IEC 60079-0:2018

EN 60079-11:2012

(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 annex to this certificate.

(11) This EU - Type Examination Certificate relates only to the design and construction of the specified equipment in accordance with Directive 2014/34/EU. Further requirements of this Directive apply to the manufacture of this equipment and its placing on the market. Those requirements are not covered by this certificate.

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



II 2G Ex ia IIB/IIC T4/T6 Gb

II 2D Ex ia IIIC T80°C Db



Certification department of explosion protection

Tuerkheim, 2023-06-27



Certificates without signature and seal are void. This certificate is allowed to be distributed only if not modified. Extracts or modifications must be authorized by Bureau Veritas Consumer Products Services Germany GmbH.

(13)

Annex

(14) **EU - Type Examination Certificate EPS 14 ATEX 1 641 X**

Revision 2

(15) Description of equipment:

The limit switch boxes type i-box IV...IA... consist of separately certified intrinsically safe apparatus or simple apparatus which are placed inside a vestamid enclosure together with terminals. The devices are for use in hazardous areas that require apparatus of category 2G or 2D. They are supplied by intrinsically safe power supplies with level of protection "ia" or "ib".

Electrical data:

The electrical input ratings are determined by the switches that are used. The following ratings shall never be exceeded:

Ii: 250 mA
Pi: 650 mW

For mechanical gold switches the following ratings have to be respected:

Ui: 11 V
Ii: 15 mA
Pi: 35 mW

Ambient temperature:

$-25\text{ °C} \leq T_a \leq +70\text{ °C}$

(16) Reference number: 14TH0067

(17) Special conditions for safe use:

- The limit switch box shall not be installed in close vicinity to highly charge generating processes.
- The enclosure has to be cleaned with a damped cloth.

(18) Essential health and safety requirements:

Met by compliance with standards.

Certification department of explosion protection

Tuerkheim, 2023-06-27

