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 99 ATEX 1441**	**issue:** 00
(4)	for the product:	Keyboard type KB153.x.x.x	
(5)	of the manufacturer:	Gönnheimer Elektronic GmbH	
(6)	Address:	Dr.-Julius-Leber-Straße 2 67433 Neustadt an der Weinstraße	
	Order number:	8003012148	
	Date of issue:	2020-01-06	

(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. 19 203 256874.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN IEC 60079-0:2018 EN 60079-11:2012
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:

Ex II 2 G Ex ib IIC T4 Gb

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

Roder

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(13) **S C H E D U L E**

(14) **EU-Type Examination Certificate No. TÜV 99 ATEX 1441 issue 00**

(15) Description of product

There are three basic versions of the keyboard KB153.x.x.x available:

-Keyboard without touchpad

-Keyboard with integrated touchpad (separately certified)

-Compact Keyboard

The permissible ambient temperature range is -20 °C ... +50 °C

Type Code

Keyboard KB153	.	.	.
Housing:			
Keyboard for panel mounting 0			
Keyboard with housing ≥ IP54 1			
Keyboard + Touchpad for panel mounting 2			
Keyboard + Touchpad with housing ≥ IP54 3			
Compact Keyboard for panel mounting 4			
Compact Keyboard with housing ≥ IP54 5			
Layout:			
Type 0 0			
Type 1 1			
Type n ..... .n			
Interface:			
USB 0			
PS/2 1			

Electrical data

Supply and signal circuits ..... (cable connector Pins 1, 2, 3, 4 [supply and data]; shield of connector cable is connected to metal parts)	in type of protection intrinsic safety Ex ib IIC only for connection to certified intrinsically safe circuits Max. values: U_i = 5.8 V I_i = 204 mA P_i = 392 mW The effective internal inductance is negligibly small. Effective internal capacitance: 25 µF

Schedule to EU-Type Examination Certificate No. TÜV 99 ATEX 1441 issue 00

Hints for erection and operation:

1. For safety reasons, the intrinsically safe circuit is earthed. It has to be ensured, that potential equalization exists in the complete course of the erection of the intrinsically safe circuit.

2. The shield of the connector cable has to be connected with the potential equalization in the explosion hazardous area. Alternatively, the connection to the potential equalization can be made by installing the KB153 to a metal housing that is connected to the potential equalization. In that case the metal plate of the KB153 has to have electrical contact with this housing. It is also possible to wire the metal plate of the KB153 directly to the potential equalization.

The manual of the manufacturer has to be observed for further details.

(16) Drawings and documents are listed in the ATEX Assessment Report No. 19 203 256874

(17) Specific Conditions for Use
none

(18) Essential Health and Safety Requirements
no additional ones

- End of Certificate -