

Translation

EU-Type Examination Certificate

Equipment intended for use in potentially explosive atmospheres
Directive 2014/34/EU

EU-Type Examination Certificate Number: **BVS 21 ATEX E 036 X**

Product: **Identification system type ID153**

Manufacturer: **Gönzheimer Elektronik GmbH**

Address: **Dr.-Julius-Leber-Str. 2, 67433 Neustadt an der Weinstraße, Germany**

This product and any acceptable variations thereto are specified in the appendix to this certificate and the documents referred to therein.

DEKRA Testing and Certification GmbH, Notified Body number 0158, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 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 Report No. BVS PP 21.2061 EU.

The Essential Health and Safety Requirements are assured in consideration of:

EN IEC 60079-0:2018
EN 60079-5:2015
EN 60079-31:2014

General requirements
Powder filling “q”
Protection by Enclosure “t”

If the sign “X” is placed after the certificate number, it indicates that the product is subject to the Special Conditions for Use specified in the appendix to this certificate.

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 product. These are not covered by this certificate.

The marking of the product shall include the following:

 **II 2G Ex q IIC T4 Gb** ID153.*.0.*.2/3.*.1

 **II 2G Ex q IIC T4 Gb**
II 3D Ex tc IIIB T110°C Dc ID153.*.6.*.0/1.*.2

DEKRA Testing and Certification GmbH
Bochum, 2021-06-17

Signed: Jörg-Timm Kilisch

Managing Director

13 **Appendix**

14 **EU-Type Examination Certificate**

BVS 21 ATEX E 036 X

15 **Product description**

15.1 **Subject and type**

Identification system
Type ID153.a.b.c.d.e.f

a – electronic version

b – housing 0 – no
 6 – yes

c – module size 0 – 134x85x42
 1 – 151x89x42

d – type of housing 0 – PC100 (trapezoidal enclosure)
 1 – field housing (wall-mounted housing)
 2 – none
 3 – type X

e – type of interface

f – ex-proteccion 1 – for use in zone 1
 2 – for use in Zone 1 or Zone 22

15.2 **Description**

The Identification system type ID153***** is a RFID reader for Milfare, Legic or similar cards. The electronics is build in a powder filled capsule (type of protection q). Types ID153.*.6.*.0/1.*.2 are equipped with a metallic housing from the manufacturer side. These types correspond to EPL Gb or EPL Dc. Types ID153.*.0.*.2/3.*.1 must be installed in a suitable housing by the user and correspond to EPL Gb.

15.3 **Parameters**

Um	253 V
Threshold power of radio frequency for continuous transmissions	2 W
Permitted ambient temperature range	-20 °C...+60 °C

16 **Report Number**

BVS PP 21.2016 EU, as of 2021-06-17

17 **Special Conditions of Use**

- 17.1 The Identification system type ID153.*.0.*.2/3.*.1 must be installed in a suitable housing so that min. IP54 according to EN IEC 60079-0 is fulfilled.
- 17.2 The threshold power of radio frequency for continuous transmissions shall not exceed 2 W.
- 17.3 The RFID tags which are used in connection with the identification system shall comply with clause 5.7 od IEC 60079-14.

18 **Essential Health and Safety Requirements**

The Essential Health and Safety Requirements are covered by the standards listed under item 9.

19 **Drawings and Documents**

Drawings and documents are listed in the confidential report.

We confirm the correctness of the translation from the German original.
In the case of arbitration only the German wording shall be valid and binding.

DEKRA Testing and Certification GmbH
Bochum, 2021-06-17
BVS-HK/MGR A20200888



Managing Director