



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX BVS 21.0039X** Page 1 of 3 [Certificate history:](#)
Status: **Current** Issue No: 0
Date of Issue: 2021-06-21
Applicant: **Gönzheimer Elektronik GmbH**
Dr. Julius-Leber-Straße 2
67433 Neustadt an der Weinstraße
Germany
Equipment: **Identification system type ID153**
Optional accessory:
Type of Protection: **Protection by enclosure "t"; Powder filling "q"**
Marking: **Ex q IIC T4 Gb for type ID153.*.0.*.2/3.*.1,**
Ex q IIC T4 Gb and Ex tc IIIB T110°C Dc for type ID153.*.6.*.0/1.*.2

Approved for issue on behalf of the IECEx
Certification Body:

Jörg Koch

Position:

Head of Certification Body

Signature:
(for printed version)

21.06.2021

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

DEKRA Testing and Certification GmbH
Certification Body
Dinnendahlstrasse 9
44809 Bochum
Germany

 **DEKRA**
On the safe side.



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Manufacturer: **Gönzheimer Elektronik GmbH**
Dr. Julius-Leber-Straße 2
67433 Neustadt an der Weinstraße
Germany

Additional
manufacturing
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

IEC 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

IEC 60079-5:2015 Explosive atmospheres –Part 5: Equipment protection by powder filling "q"
Edition:4.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[DE/BVS/ExTR21.0035/00](#)

Quality Assessment Report:

[DE/TUN/QAR10.0006/10](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Subject and Type

See Annex

Description

See Annex

Parameters

See Annex

SPECIFIC CONDITIONS OF USE: YES as shown below:

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.
2. The threshold power of radio frequency for continuous transmissions shall not exceed 2 W.
3. The RFID tags which are used in connection with the identification system shall comply with clause 5.7 of IEC 60079-14.

Annex:

[BVS_21_0039_Gönnheimer_Annex.pdf](#)



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Annex
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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

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.

Parameters

Um

253 V

Threshold power of radio frequency for continuous transmissions

2 W