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 EPS 20.0051**	Page 1 of 3	Certificate history:
Status:	**Current**	Issue No: 0	
Date of Issue:	2021-01-18		

Applicant: **Pepperl+Fuchs SE**
Lilienthalstrasse 200
Mannheim 68307
Germany

Equipment: **Intrinsically safe RFID and Barcode Scanner type: Ident-Ex 01**

Optional accessory: Hand strap HD ID01, Leather holster LH ID01, Retractable Lanyard RL ID01, Leather holster LC RL01

Type of Protection: **Intrinsic safety**

Marking: Ex ib op is IIC T4 Gb

Ex ib op is IIIC T135°C Db

Approved for issue on behalf of the IECEx
Certification Body: **Holger Schaffer**

Position: **Certification Manager**

Signature:
(for printed version)

Date:
(for printed version)

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:

Bureau Veritas Consumer Products Services Germany GmbH
Businesspark A96
86842 Türkheim
Germany

IECEx Certificate
of Conformity

Manufacturer:	**Pepperl+Fuchs SE** Lilienthalstraße 200 68307 Mannheim **Germany**
Manufacturing locations:	**ECOM Instruments GmbH** Industriestrasse 2 97959 Assamstadt **Germany**

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
Edition:7.0

Explosive atmospheres - Part 0: Equipment - General requirements

IEC 60079-11:2011
Edition:6.0

Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"

IEC 60079-28:2015
Edition:2

Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation

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/EPS/ExTR16.0008/02

Quality Assessment Report:

DE/PTB/QAR06.0008/13

EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

The Ident-Ex 01 is a portable handheld barcode and RFID scanner for use in explosive gas and dust hazardous areas Zone 1 and 21. It is a data collecting device. The collected data can be stored in the scanner memory for a later download or they can be transferred to a main device (e.g Smartphone, Tablet or PDA) via Bluetooth.

A further feature is a build-in passive RFID Tag. This can simplify the handling of the equipment, e.g. the Bluetooth pairing process with the devices supporting NFC or equipment identification.

The Ident-Ex 01 consists of 2 mechanical parts, the basic electronic housing and different head modules.

The following head modules can be used:

Head Name	Description
EN-EX25-A*	2D Barcode Imager
NL-TLB30-B*	125/134 kHz LF RFID R/W Module Air Coil
NF-TLB30-B*	125/134 kHz LF RFID R/W Module Ferrite Antenna
NH-UNI13-B*	13.56 MHz HF RFID
NE-UNI900-A*	868 MHz UHF RFID
NU-UNI900-A*	915 MHz UHF RFID R/W Module
ZN-SE965-A*	1D Laser Barcode Scanner
ZL-SE965-TLB30-A*	Kombi Module 1D Barcode + LF RFID, Air Coil
ZF-SE965-TLB30-A*	Kombi Module 1D Barcode + LF RFID, Ferrite Antenna
ZH-SE965-UNI13-A*	Kombi Module 1D Barcode + HF RFID
NT-LID-B*	TROVAN LF RFID R/W Module
ZT-SE965-LID-A*	Kombi Module 1D Barcode + Trovan

Permissible ambient temperature range: $-20°C \leq T_a \leq +50°C$

Electrical data:

Power supply:

Supplied by the built in from the user not exchangeable rechargeable battery pack.

Battery pack ratings: 3.7 V; 2200 mAh; 8.14 Wh

Passive internal RFID - transponder built in the battery pack

Built in Bluetooth module with a radiation power of 4 dBm (= 2.5 mW)

Installation notes:

The Ident-Ex 01 may only be charged in a not hazardous atmosphere via the USB charging cable ID01 supplied with the device (see safety instructions).The maximum allowed ambient temperature during charging may not exceed +45°C.

The head modules may only be changed by the manufacturer or one of its authorized persons.

SPECIFIC CONDITIONS OF USE: NO