INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification System for Explosive Atmospheres
for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	**IECEx TSA 21.0010X**	Page 1 of 3
Status:	**Current**	Issue No: 0
Date of Issue:	2021-09-14	

Certificate history:

Applicant: **Ex Management Pty Ltd**
Unit 1, 16 Metroplex Avenue
MURARRIE, QLD 4172
Australia

Equipment: **RFID Tag**

Optional accessory:

Type of Protection: **Intrinsic Safety "ia"**

Marking:
Ex ia I Ma
Ex ia IIC T6 Ga
Ex ia IIIC T135 °C Da
-20 °C ≤ Ta ≤ +70 °C

Approved for issue on behalf of the IECEx
Certification Body:

Debbie Wouters

Position:

Acting Quality & 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.

IECEx Certificate of Conformity

Manufacturer:

Ex Management Pty Ltd
Unit 1, 16 Metroplex Avenue
MURARRIE, QLD 4172
Australia

Manufacturing locations:

Omnia Technologies Pvt. Ltd
Plot No. 68, Sector 5, IMT Manesar
Gurugram
Haryana 122050
India

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"

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:

AU/TSA/ExTR21.0014/00

Quality Assessment Report:

AU/TSA/QAR21.0002/00

IECEx Certificate of Conformity

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

The RFID Tags are design for tracking equipment and objects, using RFID technology. The tag provides asset management for electrical equipment in hazardous area.
The tag consists of a transponder containing an inductor and an integrated IC. It is activated by an external magnetic field generated by the antenna of a compatible reader through non-contact inductive coupling and then sends a response signal back to the reader.
The tags comes in different shape and size and are either enclosed in a non-metallic enclosure or fully encapsulated. It either operates at a frequency of 13 - 16 MHz or 860 – 960 MHz.

SPECIFIC CONDITIONS OF USE: YES as shown below:
The RFID Tag shall be protected from electrostatic discharge. Such as clean only with a damp cloth, refer to installation manual for details.
This condition does not apply to Group IIA and Group I installation and the 16mm Button Laundry Tag.

Annex:

Annex_IECEx TSA 21.0010X-0.pdf

Equipment description continue:

The RFID Tag consists of the following types:

RFID Tag:	Size:	Type (Product Code):
UHF (Ultra High Frequency 860 - 960 MHz) Type:		
Innova	150 x 23 x 8 mm	U0412911
Micro	52 x 16 x 8.5 mm	U3211510
Metallica	52 x 52 x 10 mm	U1011510, U1012222
Endura	95 x 35 x 6.5 mm	U6211510
Aries	100 x 21 x 5 mm	U7511220
HF (High Frequency 13 – 16 MHz) Type:		
16mm Button Laundry	Ø 16 x 3.2 mm	H092158, H092209, H092231
Cylinder	38 x 22 x 9 mm	H311209, H311231
Keyfob	56 x 37 x 5 mm	H293158, H293209
Universal	Ø 30 x 3.5 mm	H127158, H123098, H123209
Micro	52 x 16 x 8.5 mm	H34158, H342098, H342209
Metallica	52 x 52 x 10 mm	H191157, H191107
50mm HF Epoxy Disc	Ø 50 mm x 3 mm	H376158, H376209
EXMAN	65 x 15 x 3 mm	EXMAN

Drawing list pertaining to Issue 0 of this Certificate:

Drawing / Document Number:	Page/s:	Title:	Revision Level:	Date: (yyyy-mm-dd)
DWG-EXMAN-001	1	RFID Types	0	2021-08-17
DWG-EXMAN-002	2	RFID Tag Forms High Frequency	0	2021-08-17
DWG-EXMAN-003	3	RFID Tag Forms High Frequency	0	2021-08-17
DWG-EXMAN-004	1	High Frequency IC & Coil	0	2021-08-17
DWG-EXMAN-005	1	Ultra High Frequency IC & Coil	0	2021-08-17
DWG-EXMAN-006	2	Markings	0	2021-08-17
-	4	EXMAN Installation and Maintenance Manual	0	2021-09-06

Certificate issued by:

TestSafe Australia
919 Londonderry Road
Londonderry NSW 2753 Australia