



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 KIWA 19.0019X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2019-10-23

Applicant: **MSA Europe GmbH**
Schlüsselstr. 12
Rapperswil-Jona 8645
Switzerland

Equipment: **Wireless Router, type MSA ALTAIR io360 HUB**

Optional accessory:

Type of Protection: **Ex ec ic**

Marking: Ex ec ic IIC T4 Gc

Approved for issue on behalf of the IECEx
Certification Body:

Harry de Wild

Position:

Certification Officer

Signature:
(for printed version)

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:

Kiwa Nederland B.V. (Unit Kiwa ExVision)
Wilmersdorf 50
7327 AC Apeldoorn
P.O. Box 137
Netherlands





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Manufacturer: **MSA Produktion Deutschland GmbH**
Thiemannstr. 1
Berlin 12059
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 60079-11:2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

IEC 60079-7:2015 Explosive atmospheres – Part 7: Equipment protection by increased safety "e"
Edition:5.0

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:

[NL/KIWA/ExTR19.0022/00](#)

Quality Assessment Report:

[DE/BVS/QAR06.0018/14](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Wireless Router type MSA ALTAIR io360 HUB provides wireless connectivity for MSA wireless devices to internet or intranet. The router acts as a gateway and integrates different wired and wireless technologies signals like Wifi, Bluetooth, Ethernet, LTE (GSM), GPS and telemetry radio.

The router is powered by an external 24 VDC power supply via a plug and socket combination and can optionally equipped with a wired ethernet cable through a cable gland.

The wireless signals are transmitted via a combination antenna and a bar antenna.

The front of the router is equipped with a number of indicator LED's.

Ambient temperature range: -20 °C to +60 °C

The Wireless Router enclosure provides a degree of protection of IP67 in accordance with IEC 60529.

Electrical Data

Power supply: 24 V DC; 5W

SPECIFIC CONDITIONS OF USE: YES as shown below:

The Wireless Router type MSA ALTAIR io360 HUB:

- shall be installed and maintained such that the risk of electrostatic discharge is minimized;
- shall be protected from UV emitting light;
- shall be installed in the upright position in accordance with the instructions;
- shall protected against an impact energy in excess of 4J on the power supply plug and connector;
- shall only be used in an area of not more than pollution degree 2, as defined in IEC 60664-1.