

[1]

TYPE EXAMINATION CERTIFICATE



[2]

Equipment or Protective System intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

[3]

Type Examination Certificate Number: **DEMKO 18 ATEX 1860X Rev. 3**

[4]

Product: **Anybus Wireless Bolt - AWB2**

[5]

Manufacturer: **HMS Industrial Networks AB**

[6]

Address: **Stationsgatan 37, SE-30245 Halmstad, Sweden**

[7]

This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

[8]

UL International Demko A/S 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 Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014.

The examination and test results are recorded in confidential report no. **4789354650.2.1**

[9]

Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018

EN 60079-15:2010

except in respect of those requirements listed at item 18 of the Schedule.

[10]

If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

[11]

This Type examination certificate relates only to the design of the specified product, and not to specific items of product subsequently manufactured.

[12]

The marking of the product shall include the following:



II 3 G

Ex nA IIC T4 Gc

Certification Manager

Jan-Erik Storgaard

This is to certify that the sample(s) of the Product described herein ("Certified Product") has been investigated and found in compliance with the Standard(s) indicated on this Certificate, in accordance with the ATEX Product Certification Program Requirements. This certificate and test results obtained apply only to the product sample(s) submitted by the Manufacturer. UL did not select the sample(s) or determine whether the sample(s) provided were representative of other manufactured product. UL has not established Follow-Up Service or other surveillance of the product. The Manufacturer is solely and fully responsible for conformity of all product to all applicable Standards, specifications, requirements or Directives. The test results may not be used, in whole or in part, in any other document without UL's prior written approval.

Date of issue: 2018-05-24

Re-issued: 2020-02-11

Certification Body

UL International Demko A/S, Borupvang 5A, 2750 Ballerup, Denmark
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[13]

Schedule

[14]

TYPE EXAMINATION CERTIFICATE No. **DEMKO 18 ATEX 1860X Rev. 3**

[15]

Description of Product:

The AWB2 Anybus Wireless Bolt is a programmable controller device to provide wireless communication over WLAN and/or Bluetooth to wired networks. The AWB2 is classed as an Open Type device to be installed in an enclosure that provides a degree of protection not less than IP 54 in accordance with EN 60079-15 by the end-user. The device is for use in industrial automation applications. The AWB2 series consist of a single board mounted in a polymeric housing.

Model AWB2A may be supplied by a DC source only.

Model AWB2B may be supplied by a DC source or Power over Ethernet. If both supplies are connected the Power over Ethernet takes precedent.

Nomenclature:

AWB2 Anybus Wireless Bolt

Prefix	Interface Configuration	Functionality
AWB2	X	Y

X = A - Interface 18-pin plug

B – Interface RJ45 and 3 pin power socket

Y = A – Ethernet.

B – Ethernet and RS232/485.

C – Ethernet and CAN

Temperature range:

The ambient temperature range is -40 °C to +65 °C. T-Class is T4.

Electrical data

AWB2A main supply voltage 9-30 VDC (-5% +20%), Max power consumption 1.7 W at 24 VDC

AWB2B main supply voltage 19-36 VDC, Max. power consumption 1.7W @ 24V

or PoE (Power over Ethernet supply voltage) 44-57VDC DTE Type 1 (IEEE 802.3af) Max. power consumption 1.7W

Routine tests:

N/A

[16]

Descriptive Documents

The scheduled drawings are listed in the report no. provided under item no. [8] on page 1 of this Type Examination Certificate.

[17]

Special Conditions of Use:

- The equipment shall only be used in an area of at least pollution degree 2, as defined in EN 60664-1.
- The equipment shall be installed in an enclosure that provides a minimum ingress protection of IP 54 in accordance with EN 60079-15.
- Transient protection shall be provided that is set at a level not exceeding 140 % of the peak rated voltage value at the supply terminals to the equipment.

[18]

Essential Health and Safety Requirements

The Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9.

Additional information

The trademark

will be used as the company identifier on the marking label.