

TYPE EXAMINATION CERTIFICATE



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

- [3] Type Examination Certificate Number: **UL 21 ATEX 2558X Rev. 0**
- [4] Product: **Routers, Models GW WIRELESSHART GATEWAY, AWIN GW100, AWIN GW120**
- [5] Manufacturer: **PHOENIX CONTACT GmbH & Co. KG**
- [6] Address: **Flachsmarktstraße 8, 32825 Blomberg, Germany**
- [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. **US/UL/ExTR21.0054/00.**
- [9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
- EN IEC 60079-0:2018 EN IEC 60079-7:2015 +A1:2018 EN IEC 60079-15:2019**
- 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 ec nC 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: 2021-06-28

Certification Body

UL International Demko A/S, Borupvang 5A, 2750 Ballerup, Denmark
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Schedule TYPE EXAMINATION CERTIFICATE No. UL 21 ATEX 2558X Rev. 0

[15]

Description of Product:

Devices are open type routers with communication interface and intended for use in industrial applications. The models consist of electronics components mounted on a printed circuit board housed in a metal enclosure.

These routers are intended to be installed in an enclosure that requires a tool to open.

Note:

The following is the model designation correlation between products marked with the "Phoenix Contact" and "ABB" trademarks. The corresponding models are identical in construction differing only in model designation.

"Phoenix Contact" Models	"ABB" Models
GW WIRELESSHART GATEWAY	AWIN GW100
	AWIN GW120

The optical radiation output of the product with respect to explosion protection, according to Annex II clause 1.3.1 of the Directive 2014/34/EU is covered in this certificate based on Exception 1) to the scope of EN 60079-28:2015.

Temperature range:

The ambient temperature range is -40 °C to +70 °C.

Electrical data

Input: 10.8-30.5 V dc, Class 2
Current: 290 mA Max; 130 mA Typ

Routine tests:

Not Applicable

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Descriptive Documents

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

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Special Conditions of Use:

- The equipment shall be installed inside of a suitably-certified tool-secured enclosure that provides a minimum ingress protection of IP54 in accordance with EN 60079-0.
- The equipment shall only be used in an area of not more than pollution degree 2, as defined in EN 60664-1.
- Provisions shall be made externally to prevent the rated input from being exceeded by transient disturbances of more than 140% of the peak rated input voltage.
- Routing and remote installation of the antenna shall be in accordance with the appropriate location regulations when installed in unclassified, Zone 2 and/or Class I, Division 2 hazardous locations, or the antenna must be installed within the end use enclosure.

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Essential Health and Safety Requirements

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

The trademark  or  will be used as the company identifier on the marking label.