



# 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](http://www.iecex.com)

Certificate No.: **IECEX UL 21.0127X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2022-01-28

Applicant: **PHOENIX CONTACT GmbH & Co. KG**  
Flachsmarktstrasse 8  
32825 Blomberg  
Germany

Equipment: **Routers, Models GW WIRELESSHART GATEWAY, AWIN GW100, AWIN GW120.**

Optional accessory:

Type of Protection: **Increased Safety "ec", Sealed device "nC"**

Marking: Ex ec nC IIC T4 Gc  
-40°C ≤ Ta ≤ +70°C

Approved for issue on behalf of the IECEx  
Certification Body:

**Katy A. Holdredge**

Position:

**Senior Staff Engineer**

Signature:  
(for printed version)

Date:  
(for printed version)

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2. This certificate is not transferable and remains the property of the issuing body.
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Certificate issued by:

**UL LLC**  
333 Pfingsten Road  
Northbrook IL 60062-2096  
United States of America





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Manufacturer: **PHOENIX CONTACT GmbH & Co. KG**  
Flachsmarktstrasse 8  
32825 Blomberg  
Germany

Manufacturing locations: **MIN BO TECHNOLOGY CO., LTD,**  
5F., NO. 21, LN. 126, SEC. 3,  
ZHONGYANG RD.,  
TUCHENG DIST., NEW TAIPEI CITY  
236  
Taiwan

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 60079-15:2017](#) Explosive atmospheres - Part 15: Equipment protection by type of protection "n"  
Edition:5.0

[IEC 60079-7:2017](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"  
Edition:5.1

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 Reports:

[US/UL/ExTR21.0054/00](#)

[US/UL/ExTR21.0054/01](#)

Quality Assessment Reports:

[NL/DEK/QAR11.0012/04](#)

[US/UL/QAR21.0013/00](#)



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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

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.

**Please see Annex for additional information.**

## **SPECIFIC CONDITIONS OF USE: YES as shown below:**

- The equipment shall be installed inside of a suitably-certified tool-secured enclosure that provides a minimum ingress protection of IP54 in accordance with IEC 60079-0.
- The equipment shall only be used in an area of not more than pollution degree 2, as defined in IEC 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 and/or Zone 2 hazardous locations, or the antenna must be installed within the end use enclosure.

## **Annex:**

[Annex to IECEx UL 21.0127X Issue 0.pdf](#)



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## TYPE DESIGNATION

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

## PARAMETERS RELATING TO THE SAFETY

10.8-30 Vdc, 290 mA Max; 130 mA Typ.

## MARKING

Marking has to be readable and indelible; it has to include the following indications:

		Ord.-No: 13 18 61 6
PRODUCED BY PHOENIX CONTACT GmbH & Co. KG Flachmarktstrasse 8 32825 Blomberg, Germany		
LAN WIHART	XX:XX:XX:XX:XX:XX XX:XX:XX:XX:XX:XX	Contains FCC ID: SJC-M2140 Contains IC: 5853A-M2140
POWER:	10.8 – 30.5V DC CLASS 2	
CURRENT:	290mA – MAX 130mA – TYP	
TEMPERATURE:	-40 °C TO +70 °C -40 °F TO +158 °F	
	IND. CONT. EQ.	
		IND. CONT. EQ. for use in Haz. Loc. Class I, Div 2, Groups A, B, C, and D Class I, Zone 2, Group IIC T4 Temp Code: T4
	Ex ec nC IIC T4 Gc UL 21 ATEX 2558X IECEx UL 21.0127X	
	WARNING: EXPLOSION HAZARD Do not disconnect equipment unless power has been switched off or the area is known to be non-hazardous.	
		Production Year: MM/YYYY
		Serial No. XXXXXXXX



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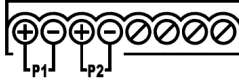
**ABB** Model: AWIN GW100 Rev.02  
WirelessHART Gateway  
Product Code: 3BNP102988R1

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POWER: 10.8 – 30.5V DC CLASS 2 Contains FCC ID: SJC-M2140  
Contains IC: 5853A-M2140


CURRENT: 290mA – MAX  
130mA – TYP


TEMPERATURE: -40 °C TO +70 °C  
-40 °F TO +158 °F





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 IND. CONT. EQ.  IND. CONT. EQ. for use in Haz. Loc.  
Class I, Div 2, Groups A, B, C, and D  
Class I, Zone 2, Group IIC T4  
Temp Code: T4

 Ex ec nC IIC T4 Gc  
UL 21 ATEX 2558X  
IECEx UL 21.0127X




 **WARNING: EXPLOSION HAZARD**  
Do not disconnect equipment unless power has been switched off or the area is known to be non-hazardous.

Production Year: MM/YYYY




Serial No. XXXXXXXX

LAN XX:XX:XX:XX:XX:XX  
WIHART XX:XX:XX:XX:XX:XX



Made for ABB  
PRODUCED BY PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstrasse 8 32825 Blomberg, Germany




**ABB** Model: AWIN GW120  
WirelessHART Gateway  
Product Code: 3BNP103003R1

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POWER: 10.8 – 30.5V DC CLASS 2 Contains FCC ID: SJC-M2140  
Contains IC: 5853A-M2140


CURRENT: 290mA – MAX  
130mA – TYP


TEMPERATURE: -40 °C TO +70 °C  
-40 °F TO +158 °F





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 IND. CONT. EQ.  IND. CONT. EQ. for use in Haz. Loc.  
Class I, Div 2, Groups A, B, C, and D  
Class I, Zone 2, Group IIC T4  
Temp Code: T4

 Ex ec nC IIC T4 Gc  
UL 21 ATEX 2558X  
IECEx UL 21.0127X




 **WARNING: EXPLOSION HAZARD**  
Do not disconnect equipment unless power has been switched off or the area is known to be non-hazardous.

Production Year: MM/YYYY



Serial No. XXXXXXXX

LAN XX:XX:XX:XX:XX:XX  
WIHART XX:XX:XX:XX:XX:XX



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