



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx PRE 17.0059X

Issue No: 0

Certificate history:

[Issue No. 0 \(2017-12-18\)](#)

Status: **Current**

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Date of Issue: **2017-12-18**

Applicant: **Bartec Pixavi AS**
Vestre Svanholmen 24
4313 Sandnes
Norway

Equipment: **Wireless radio enclosure**

Optional accessory:

Type of Protection: **Ex e and Ex d**

Marking:
Ex db eb IIC T6 Gb Tamb : -20°C to +60°C

*Approved for issue on behalf of the IECEx
Certification Body:*

Asle Kaastad

Position:

Certification Manager

*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 the [Official IECEx Website](#).

Certificate issued by:

DNV GL Nemko Presafe AS
Veritasveien 3
1363 Høvik
Norway





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Manufacturer: **BARTEC GmbH**
Max-Eyth-Straße 16
97980 Bad Mergentheim
Germany

Additional Manufacturing location(s):

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 electrical apparatus 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 : 2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-1 : 2014-06 Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-7 : 2015 Edition:5.0	Explosive atmospheres – Part 7: Equipment protection by increased safety "e"

*This Certificate **does not** indicate compliance with electrical 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:

[NO/PRE/ExTR17.0052/00](#)

Quality Assessment Report:

[DE/TUN/QAR06.0017/08](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Wireless Router is protected with type of protection "flameproof enclosure" and "increased safety". It is intended for fixed installation on the ceiling. Ex d compartment is made from Aluminum body and non-metallic dome fixed together and cemented. Ex e enclosure is made from Aluminum body end cover with O-ring on the top.

Electronic components are located in Ex d compartment while the connection terminal for field wiring is located in Ex e compartment which is provided with threaded holes for cable entry.

Type designation: Wireless Radio Enclosure

Applicable models: BPX-WX-**-***-***-***/... (see attachment for detailed explanation)

Electrical data:

Voltage: 85-264 VAC (47-63) Hz, 120-370 VDC

Current: 10 A

Ambient temperature:

-20°C to +60°C

Routine tests: Each enclosure has to be submitted to routine overpressure test (11.1 bar acc. Cl. 16 of IEC 60079-1:2014)

SPECIFIC CONDITIONS OF USE: YES as shown below:

"X" - The instruction indicates all the necessary information to ensure the installation and use minimize the risk from electrostatic discharge.

"X" - Equipment must only be placed in areas with low risk of mechanical danger (ref clause 26.4.2 in EN 60079-0).

"X" - The equipment is intended for installation only in certain position (see manufacturers' instructions)



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Additional information:

Annex:

[WX_Product_codes_02.pdf](#)

BPX-WX-**-***-***-***-***/...

ID number for main material:
AL: Aluminum chassis

ID number for cert rating:
Zn1: Zone 1 version
Zn2: Zone 2 version

ID number for configuration:
FIB: Fiber cable and power cable
ETH: Ethernet cable and power cable
POE: Ethernet cable with POE
PWR: Power cable

ID number for additional cable options
STN: No additional option
DSY: Daisy chain

ID numbers for internal hardware
Does not influence explosion protection