

# 1 TYPE EXAMINATION CERTIFICATE



2 **Equipment or Protective systems intended for use in Potentially  
Explosive Atmospheres - Directive 2014/34/EU**

3 **Type Examination Certificate No:** FM12ATEX0061

4 **Equipment or protective system:  
(Type Reference and Name)** WHA-GW, WirelessHART Gateway

5 **Name of Applicant:** Pepperl+Fuchs GmbH

6 **Address of Applicant:** Lilienthalstrasse 200  
D-68307, Mannheim  
Germany

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

8 FM Approvals Europe Ltd. certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential report number:

3042646 dated 16<sup>th</sup> May 2013

9 Compliance with the Essential Health and Safety Requirements, with the exception of those identified in item 15 of the schedule to this certificate, has been assessed by compliance with the following documents:

EN 60079-0:2012+A11:2013 and EN 60079-15:2010

10 If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to specific conditions of use specified in the schedule to this certificate.

11 This Type Examination certificate relates only to the design, examination and tests of the specified equipment or protective system in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

12 The marking of the equipment or protective system shall include:



II 3 G Ex nA nC IIC T4 Gc Ta = -20°C to 60°C

II 3 G Ex nAc nCc IIC T4 Ta = -20°C to 60°C



**Richard Zammitt**  
**Certification Manager, FM Approvals Europe Ltd.**

Issue date: 10<sup>th</sup> April 2019

**THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE**

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# SCHEDULE

to Type Examination Certificate No. FM12ATEX0061

## 13 Description of Equipment or Protective System:

The device forms the interface between a WirelessHART network to DCS or AMS. It supports WirelessHART networks with up to 250 network participants and provides a RS485 and Ethernet interface. Both interfaces transmit HART or MODBUS protocol (model types .EIP use Ethernet/IP protocol). A OPC connectivity can be accomplished using the HART OPC server. The unit is programmed with a configuration tool (DTM or DD). Also, it offers a web interface for direct access via browser.

A set of screw-type connectors provide electrical connection with the other devices; an antenna port is available for connection of specific antenna for communication with wireless devices.

All accessible interfaces (redundant power supply, Ethernet and RS485) are functionally isolated from each other and are also isolated from the painted aluminum enclosure.

The enclosure and its cable entries provide a degree of protection of IP65 against ingress of water and dust.

All models use the same electronic circuits and variants are related to the type of installed cable entries:

**WHA-GW-F2D2-0-Aa-Z2-ETH, WirelessHART Gateway**  
**WHA-GW-F2D2-0-Aa-Z2-ETH.EIP, WirelessHART Gateway**

**a = Cable entry type: S, B or P**

\*-AS-\*: Steel cable gland

\*-AB-\*: Brass-nickel cable gland

\*-AP-\*: plastic cable glands

\*-\*\*-.EIP: One cable gland is substituted with an Ethernet/IP cable connector.

## 14 Specific Conditions of Use

None

## 15 Essential Health and Safety Requirements:

The relevant EHSRs that have not been addressed by the standards listed in this certificate have been identified and assessed in the confidential report identified in item 8.

## 16 Test and Assessment Procedure and Conditions:

This Type Examination Certificate is the result of testing of a sample of the product submitted, in accordance with the provisions of the relevant specific standard(s), and assessment of supporting documentation. It does not imply an assessment of the whole production.

Whilst this certificate may be used in support of a manufacturer's claim for CE Marking, FM Approvals Europe Ltd accepts no responsibility for the compliance of the equipment against all applicable Directives in all applications.

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This Certificate has been issued in accordance with FM Approvals Europe Ltd's ATEX Certification Scheme.

17 **Schedule Drawings**

A list of the significant parts of the technical documentation is annexed to this certificate and a copy has been kept by FM Approvals Europe Ltd.

18 **Certificate History**

Details of the supplements to this certificate are described below:

Date	Description
21 <sup>st</sup> May 2013	Original Issue.
20 <sup>th</sup> September 2013	Supplement 1: Report Reference: 3042646rev130822 dated 10 <sup>th</sup> September 2013 Description of the change: Removal of EN 60529 from Section 9 of Certificate, removal of IP66 rating from Section 12 of Certificate, addition of EPLs to Section 12 of Certificate and minor changes to drawings.
10 <sup>th</sup> April 2019	<u>Supplement 2:</u> Report Reference: RR217674 dated 22 <sup>nd</sup> March 2019 Description of the Change: Update to the current standards listed in the ATEX Official Journal, EN 60079-0:2012+A11:2013 and for Directive 2014/34/EU. Transfer from FM Approvals Limited NB 1725, to FM Approvals Europe Limited NB 2809.

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