



Member of the FM Global Group

FM Approvals  
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# CERTIFICATE OF COMPLIANCE

## HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

***WHA-UT-F7B1-0-PP-Z1-Ex2. Wireless Field Transmitter.***

IS / I, II, III / 1 / ABCDEFG / T4 Ta = 20°C to 60°C; – 116-0370; Entity

0 / AEx ia IIC / T4 Ta = -20°C to 60°C; – 116-0370; Entity

Entity Parameters:

Sensor Terminals (1, 2, 3, 4)

Ui = 3V, Pi = 50mW, Ci = 72.6nF, Li = 0

Uo = 3.9V, Io = 24.12mA, Po = 23.52mW, Co = 100µF, Lo = 63mH

HART Terminals (A, B)

Ui = 3V, Pi = 50mW, Ci = 0, Li = 0

Uo = 3.9V, Io = 10.4mA, Po = 10.1mW, Co = 100µF, Lo = 329mH

*Specific Conditions of Use:*

- 1. The apparatus is to be powered by the Pepperl+Fuchs model W-BAT-B1-Li Cell.*
- 2. The enclosure of the apparatus is constructed of plastic. To prevent the risk of electrostatic sparking the enclosure should only be cleaned with a damp cloth.*

Equipment Ratings:

Intrinsically Safe (Entity) for use in Class I, II & III, Division 1, Groups A, B, C, D, E, F and G;  
Temperature Class T4 Ta = -20°C to 60°C in accordance with Control Drawing 116-0370;

Intrinsically Safe (Entity) for use in Class I, Zone 0, AEx ia IIC T4 Ta = -20°C to 60°C in  
accordance with Control Drawing 116-0370 Hazardous (Classified) Locations.

FM Approved for:

Pepperl+Fuchs GmbH  
D-68307 Mannheim, Germany



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This certifies that the equipment described has been found to comply with the following Approval Standards and other documents:

Class 3600	2011
Class 3610	2010
Class 3810	2005
ANSI/ISA 60079-0	2009
ANSI/ISA 60079-11	2011

Original Project ID: 3042534

Approval Granted: July 10, 2012

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
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FM Approvals LLC

  
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 J.E. Marquedant  
 Group Manager, Electrical

10 July 2012  
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 Date