



Member of the FM Global Group

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# CERTIFICATE OF COMPLIANCE

## HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

### ***PRetrans 5116B Programmable Transmitter***

NI-AIS / I / 2 / ABCD / T6 Ta = 60 °C  
I / 2 / IIC / T6 Ta = 60 °C;  
AIS / I,II,III / 1 / ABCDEFG - 5116QF01 Entity  
I / 0 / AEx [ja] IIC - 5116QF01 Entity

#### Entity Parameters

Terminals: 51, 52, 53, 54: Voc = 28 V, Isc = 93 mA, Po = 650 mW, Ca = 75 nF, La = 3 mH  
Terminals: 51, 52, 53: Voc = 7.5 V, Isc = 2.2 mA, Po = 4.2 mW, Ca = 6 µF, La = 1,000 mH  
Terminals: 41, 42, 43, 44: Voc = 7.5 V, Isc = 2.2 mA, Po = 4.2 mW, Ca = 6 µF, La = 1,000 mH

#### *Special Condition for use;*

1. *The PRetrans 5116B Programmable Transmitter shall be installed in compliance with the enclosure, mounting, and spacing, and segregation requirement of the ultimate application.*

### Equipment Ratings:

Suitable for Class I, Division 2, Groups A, B, C, and D and Class I Zone 2, Groups IIC, IIB, and IIA with intrinsically safe outputs for Class I, II, and III, Division 1, Groups A-G and Class I, Zones 0 and 1 Group IIC.

### FM Approved for:

PR Electronics A/S  
Roende, Denmark DK-8410



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

Class 3600	1998
Class 3610	2010
Class 3611	2004
Class 3810	1989
Including Supplement #1	1995
ANSI/ISA 60079-0	2009
ANSI/ISA 60079-11	2009

Original Project ID: 3023092

Approval Granted: August 3, 2005

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
3042053	March 23, 2011		

FM Approvals LLC

J. E. Marquedant  
Group Manager, Electrical

23 March 2011  
Date