

FM Approvals  
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# CERTIFICATE OF COMPLIANCE

## HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

**PRetop 5350A Profibus PA/Foundation Fieldbus Transmitter**

NI / I / 2 / ABCD / T\* Ta = \*; - 5350QE01 NIFW; FNICO; Type 2

\*see table

Nonincendive Field Wiring Parameters

Vmax = 32V Ci = 2.0nF Li = 1µH

T1..T4:	Ta ≤ +85°C
T5:	Ta ≤ +70°C
T6:	Ta ≤ +60°C

Special Condition for use;

- The 5350A Transmitter shall be installed in compliance with the enclosure, mounting, and spacing, and segregation requirement of the ultimate application.

**PRetop 5350B Profibus PA/Foundation Fieldbus Transmitter**

IS / I / 1 / ABCD / T\* Ta = \*; - 5350QE01 Entity, Fisco; Type 2

I / 0 / AEx ia / IIC / T\* Ta = \*; - 5350QE01 Entity, Fisco; Type 2

NI / I / 2 / ABCD / T\* Ta = \*; - 5350QE01 NIFW; FNICO; Type 2

\*see table

Barrier type:	Linear barrier	Trapezoid barrier	Suitable for FISCO systems	Suitable for FISCO systems
T1..T4:	Ta ≤ +85°C	Ta ≤ +75°C	Ta ≤ +85°C	Ta ≤ +85°C
T5:	Ta ≤ +70°C	Ta ≤ +65°C	Ta ≤ +60°C	Ta ≤ +60°C
T6:	Ta ≤ +60°C	Ta ≤ +45°C	Ta ≤ +45°C	Ta ≤ +45°C
Vmax or Ui	30 V	30 V	17,5 V	15 V
Imax or li	120 mA	300 mA	250 mA	900mA
Pi	0,84 W	1,3 W	2,0 W	5.32W

Ci	2,0 nF	2,0 nF	2,0 nF	2,0 nF
Li	1 μH	1 μH	1 μH	1 μH

*Special Condition for use;*

1. The 5350B Transmitter shall be installed in compliance with the enclosure, mounting, and spacing, and segregation requirement of the ultimate application.

**PRetop 6350A Profibus PA/Foundation Fieldbus Transmitter**

NI / I / 2 / ABCD/ T4 Ta = 85°C; - 6350QE02 Entity, Fisco; Type 2

*Special Condition for use;*

1. The 6350A Transmitter shall be installed in compliance with the enclosure, mounting, and spacing, and segregation requirement of the ultimate application.

**PRetop 6350B Profibus PA/Foundation Fieldbus Transmitter**

IS / I / 1 / ABCD / T4 Ta = 85°C; - 6350QE02 Entity, Fisco; Type 2  
 I / 0 / AEx ia / IIC / T4 Ta = 85°C; - 6350QE02 Entity, Fisco; Type 2  
 I / 1 / AEx ib / IIC / T4 Ta = 85°C; - 6350QE02 Entity, Fisco; Type 2  
 NI / I / 2 / ABCD/ T4 Ta = 85°C; - 6350QE02 Entity, Fisco; Type 2

*Special Condition for use;*

1. The 6350B Transmitter shall be installed in compliance with the enclosure, mounting, and spacing, and segregation requirement of the ultimate application.

**Equipment Ratings:**

PRetop 5350A and 6350A are suitable for Class I, Division 2, Groups A, B, C, and D hazardous (classified) locations.

PRetop 5350B and 6350B are Intrinsically safe for Class I, Division 1, Groups A, B, C, and D, intrinsically safe for Class I, Zone 0, Group IIC, intrinsically safe for Class I, Zone 1, Group IIC, and suitable for Class I, Division 2, Groups A, B, C, and D hazardous (classified) locations.

**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: 3015609

Approval Granted: February 17, 2003

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
3017788	August 5, 2003		
040709	October 19, 2004		
050131	March 23, 2005		
3034094	September 12, 2008		
3042053	March 23, 2011		

FM Approvals LLC

  
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J. E. Marquedant  
Group Manager, Electrical

23 March 2011  
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Date