



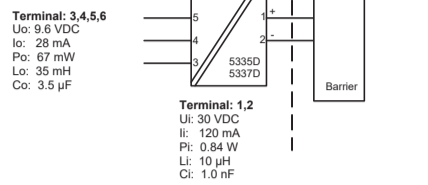
# ATEX Installation drawing 5335QA01 - V4R0

For safe installation of 5335D or 5337D the following must be observed. The module shall only be installed by qualified personnel who are familiar with the national and international laws, directives and standards that apply to this area. Year of manufacture can be taken from the first two digits in the serial number.

ATEX Certificate: KEMA 03ATEX 1537
Marking: II 1 G Ex ia IIC T6 ..T4 Ga
I 1 D Ex ia IIC Da
I M1 Ex ia I Ma

Standards: EN 60079-0 : 2012, EN 60079-11 : 2012, EN 60079-26 : 2007

Hazardous area: Zone 0, 1, 2, 20, 21, 22, and Coal mining
T4: -40 ≤ Ta ≤ 85°C
T6: -40 ≤ Ta ≤ 60°C



### Installation notes

General installation instructions: The sensor circuit is not infallibly galvanic isolated from the supply output circuit. However, the galvanic isolation between the circuits is capable of withstanding a test voltage of 500Vac during 1 minute.

For installation in a potentially explosive gas atmosphere, the following instructions apply: The transmitter shall be mounted in an enclosure form B according to DIN43729 or equivalent that is providing a degree of protection of at least IP20 according to EN60529 that is suitable for the application and correctly installed.

For installation in a potentially explosive dust atmosphere, the following instructions apply: The transmitter shall be mounted in a metal enclosure form B according to DIN43729 or equivalent, that is providing a degree of protection of at least IP6X according to EN60529 that is suitable for the application and correctly installed.

For installation in mines the following instructions apply: The transmitter shall be mounted in a metal enclosure that is providing a degree of protection of at least IP6X according to EN60529, and is suitable for the application and correctly installed.

The enclosure shall not contain by mass more than a) 15 % in total of aluminium, magnesium, titanium and zirconium, and b) 7,5 % in total of magnesium, titanium and zirconium.

# ATEX Installation drawing 5335QA02 - V4R0

For safe installation of 5335A, or 5337A the following must be observed. The module shall only be installed by qualified personnel who are familiar with the national and international laws, directives and standards that apply to this area. Year of manufacture can be taken from the first two digits in the serial number.

ATEX Certificate: KEMA 03ATEX 1508X
Marking: II 3 G Ex nA [ic] IIC T6..T4 Gc
II 3 D Ex ic IIC Dc
II 3 D Ex ic IIC Dc

Standards: EN 60079-0:2012, EN 60079-11:2012, EN 60079-15:2010

Table with columns for T4/T6 temperature ranges, Terminal 3,4,5,6 and Terminal 1,2 specifications.

General installation instructions: If the enclosure is made of non-metallic materials or of painted metal, electrostatic charging shall be avoided.

For installation in a potentially explosive gas atmosphere, the following instructions apply: For "Ex ic" the transmitter must be installed in an enclosure providing a degree of protection of at least IP20 according to EN60529 that is suitable for the application and is correctly installed.

For installation in a potentially explosive dust atmosphere, the following instructions apply: If the transmitter is supplied with an intrinsically safe signal "ic" and interfaces an intrinsically safe signal "ic" (e.g. a passive device), the transmitter shall be mounted in a metal enclosure form B according to DIN 43729 that provides a degree of protection of at least IP6X according to EN60529, and that is suitable for the application.

For installation in a potentially explosive dust atmosphere, the following instructions apply: If the transmitter is supplied with an intrinsically safe signal "ic" and interfaces an intrinsically safe signal "ic" (e.g. a passive device), the transmitter shall be mounted in a metal enclosure form B according to DIN 43729 that provides a degree of protection of at least IP6X according to EN60529, and that is suitable for the application.

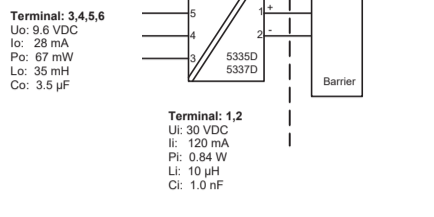
# IECEx Installation drawing 5335QI01 - V4R0

For safe installation of 5335D or 5337D the following must be observed. The module shall only be installed by qualified personnel who are familiar with the national and international laws, directives and standards that apply to this area. Year of manufacture can be taken from the first two digits in the serial number.

IECEx Certificate: IECEx KEM.10.0083X
Marking: Ex ia IIC T6..T4 Ga
Ex ia IIC Da
Ex ia I Ma

Standards: IEC60079-11:2011, IEC60079-0: 2011, IEC60079-26:2006

Hazardous area: Zone 0, 1, 2, 20, 21, 22 and Coal mining
Non Hazardous Area
T4: -40 ≤ Ta ≤ 85°C
T6: -40 ≤ Ta ≤ 45°C



### Installation notes

General installation instructions: The sensor circuit is not infallibly galvanic isolated from the supply output circuit. However, the galvanic isolation between the circuits is capable of withstanding a test voltage of 500Vac during 1 minute.

For installation in a potentially explosive gas atmosphere, the following instructions apply: The transmitter shall be mounted in an enclosure form B according to DIN43729 or equivalent that is providing a degree of protection of at least IP20 according to EN60529 that is suitable for the application and correctly installed.

For installation in a potentially explosive dust atmosphere, the following instructions apply: The transmitter shall be mounted in a metal enclosure form B according to DIN43729 or equivalent, that is providing a degree of protection of at least IP6X according to EN60529 that is suitable for the application and correctly installed.

For installation in mines the following instructions apply: The transmitter shall be mounted in a metal enclosure that is providing a degree of protection of at least IP6X according to IEC 60529, and is suitable for the application and correctly installed.

The enclosure shall not contain by mass more than a) 15 % in total of aluminium, magnesium, titanium and zirconium, and b) 7,5 % in total of magnesium, titanium and zirconium.

# IECEx Installation drawing 5335QI02 - V4R0

For safe installation of 5335A or 5337A the following must be observed. The module shall only be installed by qualified personnel who are familiar with the national and international laws, directives and standards that apply to this area. Year of manufacture can be taken from the first two digits in the serial number.

IECEx Certificate: IECEx KEM 10.0083X
Marking: Ex nA [ic] IIC T6..T4 Gc
Ex ic IIC T6..T4 Gc
Ex ic IIC Dc

Standards: IEC 60079-0 : 2011, IEC 60079-11 : 2011, EN 60079-15 : 2010

Table with columns for T4/T6 temperature ranges, Terminal 3,4,5,6 and Terminal 1,2 specifications.

### General installation instructions

If the enclosure is made of non-metallic materials or of painted metal, electrostatic charging shall be avoided. For an ambient temperature ≥ 60°C, heat resistant cables shall be used with a rating of at least 20 K above the ambient temperature.

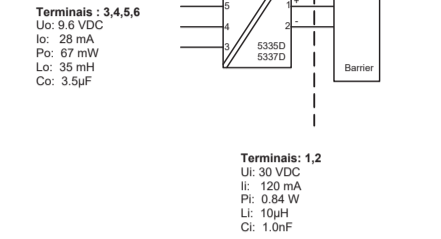
# Instalação INMETRO 5335QB01-V8R0

Para uma instalação segura, o seguinte deve ser observado. O módulo só deve ser instalado por pessoal qualificado e familiarizado com as leis, diretrizes e normas nacionais e internacionais aplicáveis a essa área.

Certificado: DEKRA18.0002X
Normas: ABNT NBR IEC 60079-0:2013 Versão corrigida 2: 2016
ABNT NBR IEC 60079-11:2013 : Versão corrigida 2017
ABNT NBR IEC 60079-15:2012

5335D, 5337D:
Notas: Ex ia IIC T6..T4 Ga
Ex ia IIC Da
Ex ia I Ma

Área Classificada: Zona 0, 1, 2, 20, 21, 22 e mineração de carvão
Área Não classificada
T4: -40 ≤ Ta ≤ 85°C
T6: -40 ≤ Ta ≤ 45°C



### Instruções Gerais de Instalação

O circuito do sensor não é galvanicamente infalivelmente isolado do circuito de saída de alimentação. No entanto, o isolamento galvânico entre os circuitos é capaz de suportar uma tensão de teste de 500Vac durante 1 minuto.

### 5335A, 5337A:

Notas: Ex nA [ic] IIC T6..T4 Gc
Ex ic IIC T6..T4 Gc
Ex ic IIC Dc

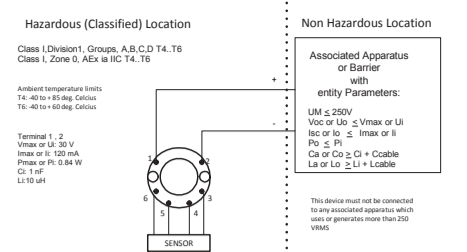
Table with columns for T4/T6 temperature ranges, Terminal 3,4,5,6 and Terminal 1,2 specifications.

### Instruções gerais de instalação

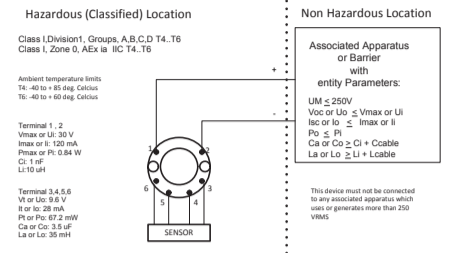
Para instalação em uma atmosfera de gás potencialmente explosiva, as seguintes instruções se aplicam: Para "Ex ic", o transmissor deve ser instalado em um gabinete que ofereça um grau de proteção de pelo menos IP20 de acordo com a ABNT NBR IEC60529, adequado para a aplicação e que esteja instalado corretamente.

# FM Installation Drawing 5300Q502 V3R0

## Model 5331D, 5332D, 5333D and 5343B



## Model 5335D, 5337D



### The entity concept

The Transmitter must be installed according to National Electrical Code (ANSI-NFPA 70) and shall be installed with the enclosure, mounting, and spacing segregation requirement of the ultimate application.

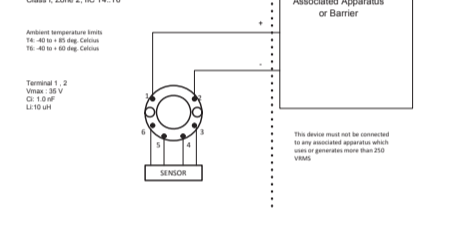
The sum of the maximum unprotected inductance (L) for each intrinsically device and the interconnecting wiring must be less than the inductance (Lc) which can be safely connected to the barrier.

The sum of the maximum unprotected capacitance (C) for each intrinsically device and the interconnecting wiring must be less than the capacitance (Cc) which can be safely connected to the barrier.

The entity parameters Uo,Voc or Vi, Io,Isc or Ii, and Ca, and Lc for barriers are provided by the barrier manufacturer.

### NI Field Circuit Parameters

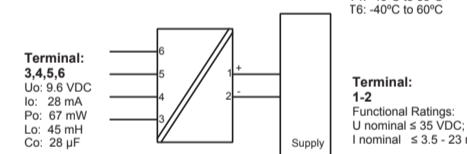
## Model 5331D, 5332D, 5333D, 5335D, 5337D and 5343B



# CSA Installation drawing 5337QC02 – V1R0

For safe installation of the 5335A and 5337A the following must be observed. The module shall only be installed by qualified personnel who are familiar with the national and international laws, directives and standards that apply to this area.

Marking: Class I, Division 2, Group A,B,C,D T4, T6
Class I Zone 2 ExiAEx nA [ic] IIC T4..T6
Class I Zone 2 ExiAEx nA IIC T4..T6
NIFW Class I Division 2, Group A,B,C,D



### NI Installation instructions

The transmitter must be installed in an enclosure providing a degree of protection of at least IP54 according to IEC60529 that is suitable for the application and is correctly installed. Cable entry devices and blanking elements shall fulfill the same requirements.

# EU DECLARATION OF CONFORMITY



As manufacturer: PR electronics A/S, Lerbakken 10, DK-8410 Rønde
Type: 5335 / 5337
Name: 2-wire transmitter with HART protocol
From serial no.: 160933112
The EMC Directive 2014/53/EU and later amendments EN 61326-1 : 2013
The ATEX Directive 2014/34/EU and later amendments EN 60079-0 : 2012 + A11 : 2013, EN 60079-11 : 2012, and EN 60079-15 : 2010
The RoHS2 Directive 2011/65/EU and later amendments EN 50581 : 2012
Notified body 0344

Signature: S. Lindemann
Manufacturer's signature

# CSA Installation drawing 533XQC03 – V4R0

Hazardous area: T4: -40 ≤ Ta ≤ 85°C
T6: -40 ≤ Ta ≤ 60°C

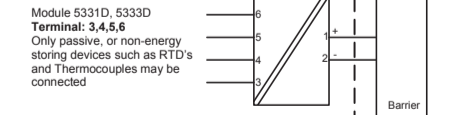


Table with columns for Module (5331D, 5333D; 5335D, 5336D and 5337D) and Terminal 3,4,5,6 and Terminal 1,2 specifications.

CLASS 2258 04 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe Entity - For Hazardous Locations
Class I, Division 1, Groups A, B, C and D
Ex ia IIC, Ga

CLASS 2258 84 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe Entity - For Hazardous Locations - Certified to US Standards
Class I, Division 1, Groups A, B, C and D
Class I, Zone 0, AEX ia IIC, Ga

Warning: Substitution of components may impair intrinsic safety.
The transmitters must be installed in a suitable enclosure to meet installation conditions stipulated in the Canadian Electrical Code (CEC) or for US the National Electrical Code (NEC).