



Certificado de Conformidade

Certificate of Compliance ♦ Certificado de Conformidad

Certificado N.º: TÜV 13.2461 X

Certificate No. ♦ Certificado N.º:

Revisão: 04

Review ♦ Revisión:

Válido até: February 18, 2023

Valid until ♦ Válido hasta:

Emitido em: February 18, 2020

Issued ♦ Emitido:

Produto:

Product ♦ Producto:

**2600T Pressure Transmitter
266**

Solicitante:

Applicant ♦ Solicitante:

ABB LTDA.

**Rodovia Senador José Ermínio de Moraes, S/N - KM 11 – Aparecidinha
18087-125 – Sorocaba – SP
CNPJ: 61.074.829/0087-01**

Fabricante:

Manufacturer ♦ Fabricante:

ABB SPA

**Via Vaccani, 4
22016 Tremezzina (Loc. Ossuccio) Como – Italy**

Fornecedor / Representante Legal:

Supplier / Legal Representative ♦ Proveedor /
Representante Legal:

Not applicable.

Normas Técnicas / Regulamento:

Standards / Regulation ♦ Normas / Reglamento:

**ABNT NBR IEC 60079-0:2016,
ABNT NBR IEC 60079-11:2013,
ABNT NBR IEC 60079-26:2016
ABNT NBR IEC 60529:2017
INMETRO Administrative rule # 179 as of May 18th, 2010**

Esquema de Certificação:

Certification Scheme ♦ Esquema de
Certificación:

**Model with evaluation of quality management system of the product
production process and product tests, according to clause 6.1 of the
Conformity Evaluation Rule, attached to the administrative rule nº 179
INMETRO, issued on May 18th, 2010.**

**Laboratório, N.º do Relatório de Ensaios e
Data:**

Laboratory, Test Report No. and Date ♦
Laboratorio, N.º del Informe de Prueba y Fecha:

FM Approvals Ltd

**Test report FM # GB/FME/ExTR09.0001/01 of March 11st, 2010
Test report FM # GB/FME/ExTR09.0001/03 of January 19th, 2012
Test report FM # GB/FME/ExTR09.0001/05 of May 28th, 2012
Test report FM # GB/FME/ExTR09.0001/06 of October 22nd, 2012
Test report FM # GB/FME/ExTR09.0001/08 of July 18th, 2013
Test report FM # GB/FME/ExTR09.0002/00 of July 24th, 2009
Test report FM # GB/FME/ExTR09.0002/01 of August 2nd, 2012
Test report FM # GB/FME/ExTR16.0002/00 of July 27th, 2016
TÜV Rheinland do Brasil Ltda
Test report TUV nº 5732-01-AEX-2017 of September 15th, 2017;
Test report TUV nº 5732-02-AEX-2017 of September 15th, 2017;
Test report TUV nº 5732-03-AEX-2017 of September 15th, 2017;
Test report TUV nº 5732-04-AEX-2017 of September 15th, 2017.**

Relatório de Auditoria e Data:

Audit Report and Data ♦ Informe de Auditoría y
Fecha:

Audit carried out on 17/02/2020 PO 0066-20.

Notas:

Notes ♦ Anotación:

**"The validity of this Certificate of Compliance is related to fulfillment of
the maintenance assessments and possible non conformities processing,
according to OCP's orientation established into specific RAC. To confirm
the current status of this Certificate of Compliance the INMETRO's
products and services certified database shall be checked."
This certificate is related to offer 27120571 from January 29th, 2020.**

Igor Moreno
Local Field Manager

**"This document is composed of 11 pages and is valid when displayed
with all your pages. Further information and notes are contained on
subsequent pages."**



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List of models:

Marca <i>Brand ♦ Marca</i>	Modelo <i>Model ♦ Modelo</i>	Descrição <i>Description ♦ Descripción</i>	Código de Barras GTIN <i>GTIN Barcode ♦ Código de Barras GTIN</i>
ABB	266	Pressure Transmitter	Non Existent

Description:

The 2600T Pressure transmitter, Model 266 consists of an aluminum alloy or stainless steel housing with an internal partition which separates the enclosure into a terminal compartment and an electronics compartment. RF leadthroughs are fitted in the partition wall. The terminal compartment is fitted with a flat threaded cover and the electronics compartment is fitted with a window cover having a cemented-in flat glass window. The housing is also provided with a threaded opening on the electronics side to accommodate a pressure sensor (primary) which can be of gauge or differential design and having various sensor types. All joints are sealed using 'O' rings and all threaded joints are locked against removal. The design includes a number of different configurations.

- 1 HART 4-20mA
- 2 Foundation Fieldbus/Profibus

There are 5 different terminal arrangements

- 1 2 terminals with and without surge protection
- 2 3 terminals with and without surge protection
- 3 6 terminals with and without surge protection
- 4 8 terminals with and without surge protection
- 5 9 terminals with and without surge protection

There are 2 different communications boards

- 1 HART
- 2 FieldBus

The transmitters are coded as follows:

1 – Pressure transmitter model 266bcdefghimnoqrstu:

Ex ia IIC T6...T4 Ga

Ex ia IIIC T85°C Da

IP66W / IP67W / IP68W

Where:

- b** – measure type and construction: A, C, D, G,H, J, M, N, P, R ou V;
- c** – application: D¹, H, L, R¹ or S;
- d** – single character – not relevant;
- e** – single character – not relevant;
- f** – single character – not relevant;
- g** – single character – not relevant;
- h** – single character – not relevant;
- i** – single character – not relevant;
- m** – only for models 266 DLH and 266 DHH – options A, B, D, E, M, N or L;
- n** – only for models 266 DLH and 266 DHH – A, D, G or L;
- o** – only for models 266 DLH and 266 DHH – 4, 5, A, B, C, D, F, H, K, L, M, P, Q, S or T;
- q** – only for model 266 DLH – 1, 2, 3, 4, 5, 6, 7, 8, M, N, Q, S, T, U, V or Z;
- r** – bolts and gaskets – 0, 1, 2, 3, 4, 5, 6, 7, 8, 9 C, N, R, T or S;



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- s** – electronic housing – A, B, C, D, S ou T;
t – communication – 1, 2, 3, 7 ou 8;
u – option² – AA, AB, A1, A2, A3, A8, A9, B², C², D², F², H², I², L1, L3, L7, L9, M², N², P², R1, S2, T², U², V1, V2, V3, V4, V5, 16, V7, V8, V9, VA, VB, VC Y² or Z1. W5³ or W8³.

Notes:

- 1 – if D or R, denotes remote seal elements (S6 for 600TEN and S26 for 2600T);
 2 – any single letter or number;
 3 – type of protection (W5 = Ex i, W8 = multiple protection).

Electrical ratings:

HART version:

U_i = 30 Vdc
 C_i = 5 nF
 L_i = 10 µH

When Option U = YE

U_i = 30 Vdc
 C_i = 17 nF
 L_i = 10 µH

Fieldbus/Profibus version:

U_i = 17,5 Vdc
 I_i = 360 mA
 P_i = 2,5 W
 C_i = 5 nF
 L_i = 10 µH

Fisco version

U_i = 17,5 Vdc
 I_i = 380 mA
 P_i = 5,32 W
 C_i = 5 nF
 L_i = 10 µH

Temperature data:

Hart version:

Temperature class	Surface temperature	Ambient temperature range	I _i (A)	P _i (W)
T4	T135 °C	-50 °C ≤ Tamb ≤ +85 °C	100	0,75
T4	T135 °C	-50 °C ≤ Tamb ≤ +70 °C	160	1,00
T5	T100 °C	-50 °C ≤ Tamb ≤ +40 °C	100	1,75
T6	T85 °C	-50 °C ≤ Tamb ≤ +40 °C	50	0,40

Fieldbus/Profibus/FISCO versions:

Temperature class	Surface temperature	Ambient temperature range
T4	T135 °C	-50 °C ≤ Tamb ≤ +85 °C
T5	T100 °C	-50 °C ≤ Tamb ≤ +40 °C
T6	T85 °C	-50 °C ≤ Tamb ≤ +40 °C



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2 – Pressure transmitter (multivariable) model 266bcdefghrstu:

Ex ia IIC T6...T4 Ga

Ex ia IIC T6...T4 Ga/Gb

Ex ia IIIC T85°C Da

IP66W / IP67W / IP68W

Where:

- b** – measure type and construction: C or J;
- c** – application: R¹ or S;
- d** – single character – not relevant;
- e** – single character – not relevant;
- f** – single character – not relevant;
- g** – single character – not relevant;
- h** – single character – not relevant;
- i** – single character – not relevant;
- r** – bolts and gaskets – 3, 4, 5, 6, 7, R or T;
- s** – electronic housing – A, B, C, D, S or T;
- t** – communication – 1, or 8;
- u** – option² – AA, AB, A1, A2, A3, A8, A9, B², C², D², F², H², I², L1, L3, L5, L7, L9, M², N², P², R1, S2, T², U², V1, V2, V3, V4, V5, 16, V7, V8, V9, VA, VB, VC Y² or Z1. W5³ or W8³

Notes:

1 – if D or R, denotes remote seal elements (S6 for 600TEN and S26 for 2600T);

2 – any single letter or number;

3 – type of protection (W5 = Ex i, W8 = multiple protection).

Electrical ratings:

HART version:

U_i = 30 Vdc

C_i = 13 nF

L_i = 10 µH

Temperature data:

Hart version:

Temperature class	Surface temperature	Ambient temperature range	I _i (A)	P _i (W)
T4	T135 °C	-50 °C ≤ Tamb ≤ +85 °C	100	0,75
T4	T135 °C	-50 °C ≤ Tamb ≤ +70 °C	160	1,00
T5	T100 °C	-50 °C ≤ Tamb ≤ +40 °C	100	1,75
T6	T85 °C	-50 °C ≤ Tamb ≤ +40 °C	50	0,40

3 – Pressure transmitter (option with L5 display) model 266bcdefghimnoqrstu:

Ex ia IIC T6...T4 Ga

Ex ia IIC T6...T4 Ga/Gb

Ex ia IIIC T85°C Da

IP66W / IP67W / IP68W



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Where:

- b** – measure type and construction: A, C, D, G,H, J, M, N, P, R or V;
- c** – application: D¹, H, L, R¹, S or V;
- d** – single character – not relevant;
- e** – single character – not relevant;
- f** – single character – not relevant;
- g** – single character – not relevant;
- h** – single character – not relevant;
- i** – single character – not relevant;
- m** – only for models 266 DLH and 266 DHH – option A, B, D, E, M, N or L;
- n** – only for models 266 DLH and 266 DHH – A, D, G or L;
- o** – only for models 266 DLH and 266 DHH – 4, 5, A, B, C, D, F, H, K, L, M, P, Q, S or T;
- q** – only for models 266 DLH – 1, 2, 3, 4, 5, 6, 7, 8, M, N, Q, S, T, U, V or Z;
- r** – bolts and gasket – 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, C, N, R, T or S;
- s** – electronic housing – A, B, C, D, S or T;
- t** – communication – 1, 2, 3, 7 or 8;
- u** – option² – AA, AB, A1, A2, A3, A8, A9, B², C², D², F², H², I², L1, L3, L5, L7, L9, M², N², P², R1, S2, T², U², V1, V2, V3, V4, V5, 16, V7, V8, V9, VA, VB, VC Y² or Z1. W5³ or W8³.

Notes:

- 1 – se D ou R, denota elementos de vedação;
- 2 – any single letter or number;
- 3 – type of protection (W5 = Ex i, W8 = multiple protection).

Electrical ratings:

HART version:

U_i = 30 Vdc
C_i = 5 nF
L_i = 10 µH

When Option U = YE

U_i = 30 Vdc
C_i = 17 nF
L_i = 10 µH

Fieldbus/Profibus version:

U_i = 17,5 Vdc
I_i = 360 mA
P_i = 2,52 W
C_i = 5 nF
L_i = 10 µH

Fisco version:

U_i = 17,5 Vdc
I_i = 380 mA
P_i = 5,32 W
C_i = 5 nF
L_i = 10 µH



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Temperature data:

Hart version:

Temperature class	Surface temperature	Ambient temperature range	Ii (A)	Pi (W)
T4	T135 °C	-50 °C ≤ Tamb ≤ +85 °C	100	0,75
T4	T135 °C	-50 °C ≤ Tamb ≤ +70 °C	160	1,00
T5	T100 °C	-50 °C ≤ Tamb ≤ +40 °C	100	1,75
T6	T85 °C	-50 °C ≤ Tamb ≤ +40 °C	50	0,40

Fieldbus/Profibus/FISCO versions:

Temperature class	Surface temperature	Ambient temperature range
T4	T135 °C	-50 °C ≤ Tamb ≤ +60 °C
T5	T100 °C	-50 °C ≤ Tamb ≤ +56 °C
T6	T85 °C	-50 °C ≤ Tamb ≤ +44 °C

4 – Pressure transmitter (Integrated HMI option) model 266bcdefghimnoqrs7u,:

Ex ia IIC T6...T4 Ga

Ex ia IIC T6...T4 Ga/Gb

Ex ia IIIC T85°C Da

IP66W / IP67W / IP68W

Where:

- b** – measure type and construction: D, H, N or P;
- c** – application: D¹, H, L, R¹ or S;
- d** – single character – not relevant;
- e** – single character – not relevant;
- f** – single character – not relevant;
- g** – single character – not relevant;
- h** – single character – not relevant;
- i** – single character – not relevant;
- m** – only for models 266 DLH and 266 DHH – options A, B, D, E, M, N or L;
- n** – only for models 266 DLH and 266 DHH – A, D, G or L;
- o** – only for models 266 DLH and 266 DHH – 4, 5, A, B, C, D, F, H, K, L, M, P, Q, S or T;
- q** – only for model 266 DLH – 1, 2, 3, 4, 5, 6, 7, 8, M, N, Q, S, T, U, V or Z;
- r** – bolts and gasket – 1, 2, 3, 4, 8, M, N, Q, S, T, U, V or Z;
- s** – electronic housing – A, B, C, D, S or T;
- u** – option² – AA, AB, A1, A2, A3, A8, A9, B², C², D², F², H², I², LS, M², N², P², R1, S2, T², U², V1, V2, V3, V4, V5, 16, V7, V8, V9, VA, VB, VC Y² or Z1. W5³ or W8³.

Notes:

1 – se D ou R, denota elementos de vedação;

2 – any single letter or number;

3 – type of protection (W5 = Ex i, W8 = multiple protection).

Electrical ratings:

HART version:

Ui = 30 Vdc

Ci = 5 nF

Li = 10 µH



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Temperature data:

Hart version:

Temperature class	Surface temperature	Ambient temperature range	Ii (A)	Pi (W)
T4	T135 °C	-50 °C ≤ Tamb ≤ +60 °C	100	0,75
T4	T135 °C	-50 °C ≤ Tamb ≤ +60 °C	160	1,00
T5	T100 °C	-50 °C ≤ Tamb ≤ +56 °C	100	1,75
T6	T85 °C	-50 °C ≤ Tamb ≤ +44 °C	50	0,40

Testing and analysis performed:

The testing and analysis performed are described on technical report # TÜV 13.2461

Technical Documentation:

Documento	Páginas	Descrição	Rev.	Data
2-9186 X1	1	Primary Transducer P-Piezo	4	18/08/2011
2-9187 X1	1	Primary Transducer DP-Piezo	1	17/11/2008
2-9188 X1	1	Primary Transducer DP-Piezo HP	1	17/11/2008
0489701	5	Bare Board (PCB) Front End dp-piezo	7	26/08/2009
0489705	5	Bare Board (PCB) Front End p-piezo	6	26/08/2009
0489706	5	Bare Board (PCB) Front End dp-piezo-hp	6	27/08/2009
9280301	6	Front END dp-piezo (Funktion)	7	24/08/2009
9280305	4	Front END p-piezo (Funktion) and BOM	6	01/09/2009
9280306	4	Front END dp-piezo-hp (Funktion)	6	26/08/2009
AU3062	4	Front End board	7	05/08/2015
AU3063	3	Terminal block: Hart standard version	4	05/07/2016
AU3066	1	Terminal block: Fieldbus standard version	0	16/06/2008
AU3067	3	Terminal block: Hart + Surge version	3	08/03/2016
AU3068	1	Terminal block: Fieldbus + Surge protector version	0	08/07/2008
AU3069	3	Terminal block: Hart + Multivariable version	2	09/11/2011
AU3070	1	Terminal block: Fieldbus + Multivariable version	0	31/07/2008
AU3071	3	Fieldbus Communication Board	2	12/01/2012
AU3072	2	Ext. UFTE : FIELDBUS	3	12/01/2012
AU3073	4	Ext. UFTE :Pressure Round Board	4	05/12/2012
AU3074	2	Communication Board	10	13/01/2016
AU3077	3	266MV: Second Front End	3	19/02/2013
AU3080	1	Terminal block: Hart + Surge Multivariable version	0	16/06/2008
AU3081	1	Terminal block: Fieldbus + Surge Multivariable version	0	05/08/2008
AU3087	2	Ext. UFTE : FIELDBUS	2	12/01/2012
AU3088	2	Ext. UFTE :Pressure Round Board	5	05/12/2012
AU3097	2	Ext. UFTE : PROFIBUS	0	09/12/2008
AU3098	2	Ext. UFTE : PROFIBUS	0	09/12/2008
AU3110	3	Ext. UHTE : Multivariable	1	19/02/2013
AU3111	2	Multivariable Communication Board	4	03/11/2016

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Documento	Páginas	Descrição	Rev.	Data
AU3128	4	Ext. UHTE :Pressure Round Board	0	21/11/2011
AU3159	5	Sensor round board for mid tier pressure	5	14/01/2016
AU3166	3	Terminal block for Extended EMC	2	12/04/2013
AU3167	2	Indicator for mid tier	0	20/03/2012
AU3168	3	Sensor round board for mid tier pressure	0	10/03/2015
3KXP000001U0121	3	Front End for Wireless Hart Round Board	0	01/03/2013
3KXP000001U0122	1	FrontEnd for WirelessHart Round Board	0	01/03/2013
3KXP000001U0123	2	Front End for Wireless	0	01/03/2013
3KXP000001U0221	2	Front End Wireless - URL 700 Bar	0	10/02/2014
3KXP001001U0011	1	Connection board schematic	7	19/03/2012
3KXP001001U0021	7	Connection board (for mid tier pressure)	5	07/02/2012
3KXP001001U0030	1	Connection board Hart "BOM"reed	D	19/03/2012
3KXP001001U0031	1	Connection board reed	2	08/12/2011
3KXP001001U0040	1	Connec. board Hart "BOM" push	D	19/03/2012
3KXP001001U0041	1	Connection board push	2	08/12/2011
3KXP001001U0060	1	BOM of Connection Board(Reed Switch version) for Mid-Tier Pressure	A	07/12/2011
3KXP001001U0090	1	BOM of Connection Board(Push Button version) for Mid-Tier Pressure	A	07/12/2011
3KXP001001U0091	2	Connection Board WithPush Button	0	17/11/2011
3KXP065007U0009	1	Display Assembly Drawing	0	25/02/2014
3KXP065015U0123	5	Simplified HMI Board	5	23/07/2014
3KXP065016U0022	1	Simplified HMI schematic	4	04/06/2014
3KXP065016U0121	1	Simplified HMI BOM	1.6	14/01/2015
3KXP065016U0321	1	Simplified HMI BOM Type A_Reed switch	1.6	14/01/2015
DH 0013	1	Primary transducer, differential Tx inductive	2	27/04/2011
DH 0014	1	2600T Series Primay Transducer, Gauge Tx Inductive	2	27/04/2011
DH 3084	1	Common HMI: "Type B"	2	26/03/2008
DH 3091	1	Common HMI: "Type B"	2	20/11/2008
DH 3091	2	Common HMI: "Type B"	2	20/11/2008
DH 3114	1	MILE2: HART Communication Board 22mW Version	1	09/04/2009
DH 3115	1	Mile 2 Series – FrontEnd board	1	24/03/2009
DH 3116	1	Mile 2 – Front End –Inductive type	4	08/07/2009
DH 3119	1	Terminal block multivariavel version	1	08/11/2011
DH 3130	4	2600T Series 266 Pressure Transmitter (flameproof)	4	04/06/2014
DH 3131	1	Terminal block multivariavel hart surge protected	0	19/06/2008
DH 3132	2	Mile 2 Series: Terminal block Hart + Surge – Multivariable	1	08/07/2008
DH 3133	1	Terminal block multivariavel fieldbus surge protected	1	17/06/2008
DH 3134	2	Mile 2 Series: Terminal block fieldbus + Surge – Multivariable	1	08/07/2008
DH 3139	2	Mile 2 Series: Terminal block hart / fieldbus – Multivariable	3	09/11/2011



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Documento	Páginas	Descrição	Rev.	Data
DH 3142	1	Terminal block standard version	1	22/10/2013
DH 3143	2	Mile 2 Series: Terminal block Hart – Pressure type	3	22/10/2013
DH 3144	1	Terminal block hart surge protected	1	08/03/2016
DH 3145	2	Mile 2 Series: Terminal block Hart + Surge – Pressure type	1	16/06/2008
DH 3146	1	Terminal block fieldbus surge protected	0	17/06/2008
DH 3147	2	Mile2 Series: Terminal block Fieldbus + Surge – Pressure type	2	07/07/2008
DH 3148	1	Mile 2: Fieldbus Communication board	1	20/01/2009
DH 3149	2	Mile 2 Series: Fieldbus communication board-pressure type	2	22/06/2009
DH 3151	2	Mile 2 Series: Hart communication board-pressure type	2	09/04/2009
DH 3169	2	2600T Series 266 Pressure Trasmmitter EU-p version	3	19/04/2011
DH 3170	2	2600T Series 266 Pressure Trasmmitter EU-dp version	3	19/04/2011
DH 3183	1	2600T Series – Pressure Transmitters model 266	0	22/06/2010
DH3190	1	2600T Series Primary transducer, Gauge Tx	0	14/04/2011
DH3191	1	2600T Series 266 Interface board 1000 bar	0	10/02/2012
DH3192	2	2600T Series 266 Interface board 1000 bar PCB	0	10/02/2012
DH3193	1	Second FrontEnd for Multivariable	3	19/02/2013
DH3194	2	2600T Series 266 MV : Second Front End	3	19/02/2013
DH3198	1	2600T Series Primay Transducer, Gauge Tx Inductive	0	04/07/2011
DH3199	1	2600T Series Primay Transducer, Gauge Tx Inductive	0	04/07/2011
DH3200	1	2600T Series Primay Transducer, Gauge Tx Inductive	0	04/07/2011
DH3201	1	2600T Series Primay Transducer, Gauge Tx Inductive	0	04/07/2011
DH3212	2	Terminal block	1	16/04/2012
DH3213	1	Terminal block	1	17/04/2012
DH 3214	2	Mid Tier Sensor – Inductive type	3	27/02/2013
DH3215	1	Sensor Board for Mid Tier Pressure	2	14/01/2016
DH3223	1	2600T Series Primay Transducer, Gauge Tx Inductive	0	12/03/2012
DH 3245	1	2600T Series Primay Transducer, Gauge Tx Inductive	0	21/02/2014
DH 3246	1	2600T Series Primay Transducer, Gauge Tx Inductive	0	21/02/2014
OI/266/HART-PT	76	Instruções de operação	H	01/2013
DH 3188	1	2600T Series Inmetro 266 Safety plates	4	26/02/2020



Certificado de Conformidade

Certificate of Compliance ♦ Certificado de Conformidad

Certificado N.º: TÜV 13.2461 X

Certificate No. ♦ Certificado N.º:

Revisão: 04

Review ♦ Revisión:

Válido até: February 18, 2023

Valid until ♦ Válido hasta:

Emitido em: February 18, 2020

Issued ♦ Emitido:

Marking:

The 2600T Pressure transmitter, model 266 was approved in the tests and analysis, in accordance to the applicable standards and they shall have the following marking, taking into account, the item "Remarks".

Ex ia IIC T4/T5/T6 Ga
Ex ia IIC T4/T5/T6 Ga/Gb
Ex ia IIIC T135/T100/T85 °C Da
Fisco
IP66W / IP67W / IP68W

Remarks:

1. The certificate number has the letter X to indicate the following restriction for use:
The size of explosion proof joints must not be modified. For further information contact directly the manufacturer.
The material of the partition wall (sensing diaphragm) shall not be subject to environmental conditions which might adversely affect it.
The model 266 main electronics enclosure option s= A or B contains aluminum and is considered a potential risk of ignition by impact or friction. Care must be taken into account during installation and use to prevent impact or friction.
For areas subject to explosive atmospheres the painted surface can store electrostatic charge and become a source of ignition in application with a low relative humidity ($\leq 30\%$) where the painted surface is relatively free of surface contamination such as dirt, dust or oil. Cleaning painted surfaces shall only be done in accordance with the manufacturer's instructions.
The index protection IP68W meets the equivalent pressure of 2 meters of water column for 1 hour.
2. This certificate is valid for the products with the same model and type number according to the prototype tested. Any modification in the project, as well as the use of components apart from those defined by the product documentation, without previous authorization from TÜV Rheinland, will invalid this certificate.
3. It is manufacturer responsibility to assure that the manufactured products are in accordance to the tested prototype specification, through of visual, dimensional inspections and routine testing.
4. The products must bear, on the external surface and in a visible place, the conformity marking and the technical characteristics in accordance to the standards ABNT NBR IEC 60079-0 / ABNT NBR IEC 60079-11 / ABNT NBR IEC 60079-26 / ABNT NBR IEC 60079-31 / ABNT NBR IEC 60529 and Regulation on Conformity Assessment, attached to INMETRO administrative rule #179, issued on May 18th, 2010. This marking must be legible and durable, taking into account, all possible chemical corrosion.
5. The activities of installation, inspection, maintenance, repair, overhaul and recovery of products are the user's responsibility and must be performed in accordance with the requirements of current technical standards and the manufacturer's recommendations.



Certificado de Conformidade

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Certificate No. ♦ Certificado N.º:

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Válido até: February 18, 2023

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Natureza das Revisões / Data

Nature of Reviews/Date ♦

Naturaleza de las Revisiones / Fecha

- Review 00:** January 28, 2014 – Initial certification
- Review 01:** December 26, 2016 – Update of manufacturer address ABB SPA and inclusion of new assembly options;
- Review 02:** February 01, 2017 – Revalidation;
- Review 03:** October 05, 2017 – Exclusion of standard ABNT NBR IEC 60079-27 and inclusion of ABNT NBR IEC 60079-31 and ABNT NBR IEC 60529 with numerals of protection IP66W / IP67W / IP68W.
- Review 04:** March 26, 2020 – Revalidation and exclusion of the Minden manufacturer.

Para confirmar sua autenticidade acesse <https://tuv.3dds.digital/check/915523527155938525>



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cn=TÜV RHEINLAND DO BRASIL LTDA:01950467000165
Reason: Digital Signature
Location: Sao Paulo/SP/BR
Date: 26.03.2020 22:37:37 +0000