Attn: TANYA FRANCIS

Re: Application for Design Registration

The design, as detailed in your, TSSA SR# 2175902, for a Fitting is accepted for registration as follows:

Registered To: ABB INC

CRN: 0F18255.51

Drawing #: Data Sheet: DS/TX-EN

Drawing Revision: S

Conditions Of Registration:
TX Series of Thermal Dispersion Switches. Update of registration party+mfg location as per att'd scope sheet.
This design was registered based on a technical review performed by the province of initial registration in accordance with the Association of Chief Inspectors policy on reciprocal recognition of design review.

Reviewer's Notes:
No change in design or scope of registration. As required by CSA B51 4.2.1, this registration expires on February 16, 2026. This CRN is valid until the expiry date as long as the Manufacturer maintains a valid quality control program verified by an acceptable third-party agency until that date. Should the certification of the quality control program lapse before the expiry date, this registration shall become void.

Contact me if you have any questions. The invoice for registration will be forwarded under separate cover.

SHARON PETERS

boiler.designregistration@technicalsafetybc.ca
Design Administration

cc:
SCOPE OF CRN REVISION

ORIGINAL CRN: 0F18255.513467890NYT
ABB MODELS REGISTERED: TX
REASON FOR CRN REVISION: Original manufacturing location will cease production at the end of the year. Production is being moved to the following ABB location:

125 E. County Line Road
Warminster, PA, USA
18974-4995

There is no change to the registered design; this is a change in manufacturing location only. The CRN needs to be revised such that the new manufacturing location has been added to the CRN and the owner of the CRN is changed to this location as well.
UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

MANUFACTURERS NAME: ABB Inc.

MANUFACTURERS ADDRESS: 125 East County Line Road, Warminster, PA, 18974 USA

PLANT LOCATIONS: Pennsylvania, USA

CATEGORY OF FITTINGS TO BE REGISTERED: CIRCLE ONE CATEGORY ONLY
A Pipe fittings, including couplings, tees, elbows, Ys, plugs, union, pipe caps, or reducers
B Flanges: all flanges
C Valves: all line valves
D Expansion joints, flexible connections, and hose assemblies: all types
E Strainers, filters, separators, and steam traps
F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters
G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs
H Pressure retaining components that do not fall into one of the above categories
N Nuclear components: Class 1 ☐ Class 2 ☐ Class 3 ☐ (Meeting AECB or ASME requirements)

SHOW MANUFACTURER'S NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT

ABB

LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:

TX Switch Stress Analysis Report 0116-0007-SAR; Main Assembly Drawing TX-0000-1; Data Sheet TX-EN

DECLARATION:

Mr. Steve Hinsberger (name) employed by ABB Inc. and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by DNY GL as Business Assurance; as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer:

Declared before me as WARMINSTER PA

This 16 day of JUNE AD 2017

Commissioner of Oaths or Notary Public (sign) [Affix Official seal to this space]

COMMONWEALTH OF PENNSYLVANIA

This space for Regulatory Authority use

This registration must be revalidated after ten (10) years from the date of acceptance.

CRN: OF18255.5 ADD1

FID#: 15499

Notes:
1. All fittings shall be registered in the name of the Manufacturer.
2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.
3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product.
4. Quality control programs shall be revalidated at a maximum interval of five (5) years.

ACCEPTED

PROVINCE OF PRINCE EDWARD ISLAND
COMMUNITIES, LAND & ENVIRONMENT

C.R.N. OF18255.59 ADD1

DATE: Oct 27 2017

INPECTION SERVICES SECTION
BOILER/PRESSURE VESSEL BRANCH

[Signature] McCabe
NEW BRUNSWICK  NOVA SCOTIA  PRINCE EDWARD ISLAND  NEWFOUNDLAND AND LABRADOR
NUNAVUT  YUKON  NORTHWEST TERRITORIES

MANUFACTURERS NAME: ABB Inc.
MANUFACTURERS ADDRESS: 125 East County Line Road, Warminster, PA, 18974 USA

PLANT LOCATIONS: Pennsylvania, USA

CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY
A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers
B Flanges: all flanges
C Valves: all line valves
D Expansion joints, flexible connections, and hose assemblies: all types
E Strainers, filters, separators, and steam traps
F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters
G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs
H Pressure retaining components that do not fall into one of the above categories
I Nuclear components: Class 1 ☐ Class 2 ☐ Class 3 ☐ (Meeting AECB or ASME requirements)

SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT

ABB

LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:

TX Switch Stress Analysis Report 0119-0007-SAR; Main Assembly Drawing TX-0000-1; Data Sheet TX-EN

DECLARATION:

1. Mr. Steve Hufnagel (see note 3) employed by ABB Inc. and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by DNV GL - Business Assurance as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: [Signature]
Declared before me at Warminster, Pa. June 16, 2017
This the 16 day of June AD 2017
Commissioner of Oaths or Notary Public: [Signature]
(Affix Official seal to the right)

COMMONWEALTH OF PENNSYLVANIA

This registration must be revalidated after ten (10) years from the date of acceptance.

CRN: 0F18255.5 ADD1
FID#: 15499

Notes:
1. All fittings shall be registered in the name of the Manufacturer.
2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.
3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product.
4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.
UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK       NOVA SCOTIA       PRINCE EDWARD ISLAND       NEWFOUNDLAND AND LABRADOR
       NUNAVUT            YUKON              NORTHWEST TERRITORIES

MANUFACTURERS NAME: ABB Inc.
MANUFACTURERS ADDRESS: 125 East County Line Road, Warminster, PA, 18974 USA
PLANT LOCATIONS:
       Pennsylvania, USA

CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY

A  Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers
B  Flanges: all flanges
C  Valves: all line valves
D  Expansion joints, flexible connections, and hose assemblies: all types
E  Strainers, filters, separators, and steam traps
F  Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or
   pressure transmitters
G  Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on
   boilers, pressure vessels, piping and fusible plugs
H  Pressure retaining components that do not fall into one of the above categories
N  Nuclear components: Class 1 ☐ Class 2 ☐ Class 3 ☐. (Meeting AECB or ASME requirements)

SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT

ABB

LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:
TX Switch Stress Analysis Report 0119-0007-SAR; Main Assembly Drawing TX-0000-1; Data Sheet TX-EN

DECLARATION:
I, Mr. Steve Hunsberger (see note 3) employed by ABB Inc. and being the person having full authority and
responsible for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of
my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure
temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the
manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole
or in part and has been verified by DNV GL -- Business Assurance as being suitable for that purpose and I make this solemn
declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: __________________________
Declared before me at __________________________
This __16___ day of __JUNE__ AD __2017__
Commissioner of Oaths or Notary Public: (sign)

This space for Regulatory Authority use
This registration must be revalidated after ten (10) years from the date of registration.

CRN: 0F18255.5 ADD1
FID#: 15499

Notes:
1. All fittings shall be registered in the name of the Manufacturer.
2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.
3. The declaration shall be made by the person having full authority and
   responsibility for the quality of the end product.
4. Quality control programs shall be resubmitted for validation
   at a maximum interval of five (5) years.
UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK  NOVA SCOTIA  PRINCE EDWARD ISLAND  NEWFOUNDLAND AND LABRADOR
NUNAVUT  YUKON  NORTHWEST TERRITORIES

MANUFACTURERS NAME: ABB Inc.
MANUFACTURERS ADDRESS: 125 East County Line Road, Warminster, PA, 18974 USA
PLANT LOCATIONS: Pennsylvania, USA

CATEGORY OF FITTINGS TO BE REGISTERED, CIRCLE ONE CATEGORY ONLY
A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers
B Flanges: all flanges
C Valves: all line valves
D Expansion joints, flexible connections, and hose assemblies: all types
E Strainers, filters, separators, and steam traps
F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters
G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs
H Pressure retaining components that do not fall into one of the above categories
N Nuclear components: Class 1 □ Class 2 □ Class 3 □ (Meeting AECG or ASME requirements)

TITLE OF THE STANDARD OF CONSTRUCTION
ASME B31.1 and B31.3 Standards

SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT
ABB

LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:
TX Switch Stress Analysis Report 0119-0007-SAR; Main Assembly Drawing TX-0000-1; Data Sheet TX-EN

DECLARATION:
I, Mr. Steve Hunsberger (see note 2) employed by ABB Inc. (see note 3) and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by DNV GL Business Assurance as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: 

[Signature]

Declared before me at Warminster, PA
This 16th day of June, AD 2017
Commissioner of Oaths or Notary Public (sign) 
[Signature]

(After Official seal to the right)

COMMONWEALTH OF PENNSYLVANIA
USE THIS SEAL FOR THE NOTARY
CHRISTINE PURCH, Notary Public
Warminster Township, Bucks County
My Commission Expires April 20, 2019

This space for Regulatory Authority use
This registration must be revalidated after ten (10) years from the date of acceptance.

CRN: OF18255.5 ADD1
FID: 15499

Notes:
1. All fittings shall be registered in the name of the Manufacturer.
2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.
3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product.
4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.

Newfoundland Labrador
Service NL
Registered OF18255.5 ADD1
Date 17/10/27
Engineering and Inspection Services
Registered under the Authority of the Public Safety Act and the Boiler, Pressure Vessel and Compressed Gas Regulations
UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK  NOVA SCOTIA  PRINCE EDWARD ISLAND  NEWFOUNDLAND AND LABRADOR
NUNAVUT  YUKON  NORTHWEST TERRITORIES

MANUFACTURERS NAME: ABB Inc.
MANUFACTURERS ADDRESS: 125 East County Line Road, Warminster, PA, 18974 USA
PLANT LOCATIONS: Pennsylvania, USA

CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY
A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers
B Flanges: all flanges
C Valves: all line valves
D Expansion joints, flexible connections, and hose assemblies: all types
E Strainers, filters, separators, and steam traps
F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters
G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs
H Pressure retaining components that do not fall into one of the above categories
N Nuclear components: Class 1 ☐ Class 2 ☐ Class 3 ☐ (Meeting AECB or ASME requirements)

SHOW MANUFACTURER'S NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT

ABB

LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:
TX Switch Stress Analysis Report 0119-0007-SAR; Main Assembly Drawing TX-0000-1; Data Sheet TX-EN

DECLARATION:

Mr. Steve Hunsberger (see note 3) employed by ABB Inc. and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by DNV GL – Business Assurance as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: [Signature]
Declared before me at WARMINSTER, PA
This 16 day of JUNE AD 2017
Commissioner of Oaths or Notary Public: [Signature] (Affix Official seal to the right)

COMMONWEALTH OF PENNSYLVANIA
USE THIS SEAL FOR THE OFFICIAL SEAL OF THE COMMONWEALTH

CHRISTEINE FUREY, Notary Public
Warminster Township, Bucks County
My Commission Expires April 20, 2019

This space for Regulatory Authority use
This registration must be revalidated after ten (10) years from the date of acceptance.

CRN: 0F18255.5 ADD1
FID#: 15499

Notes:
1. All fittings shall be registered in the name of the Manufacturer.
2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.
3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product.
4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.
UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK
NOVA SCOTIA
PRINCE EDWARD ISLAND
NEWFOUNDLAND AND LABRADOR

MANUFACTURERS NAME: ABB Inc.
MANUFACTURERS ADDRESS: 125 East County Line Road, Warren, PA, 18674 USA
PLANT LOCATIONS: Pennsylvania, USA

CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY
A Fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers
B Flanges: all flanges
C Valves: all line valves
D Expansion joints, flexible connections, and bellow assemblies: all types
E Strainers, filters, separators, and steam traps
F Measuring devices, including pressure gauges, level gauges, sight glasses, levelors, or pressure transmitters
G Certified capacity rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs
H Pressure retaining components that do not fall into one of the above categories
N Nuclear components: Class 1 [ ] Class 2 [ ] Class 3 [ ] (Meeting AECB or ASME requirements)

SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT

ABB

LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:
TX Switch Stress Analysis Report 0119-0007-SAR; Main Assembly Drawing TX-0000-1; Data Sheet TX-EN

DECLARATION:

I, Mr. Steve Hunsberger (see note 2) employed by ABB Inc. and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by DNV GL -- Business Assurance as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer:

Declared before me at Warren, PA
This 16 day of June 2017
Commissioner of Oaths or Notary Public: (sign)

COMMONWEALTH OF PENNSYLVANIA
USE THIS STAMP FOR THE
ROTATION FILE
CHRISTINE PURBY, Notary Public
Warminster Township, Bucks County
My Commission Expires April 20, 2019

This space for Regulatory Authority use
This registration must be revalidated after ten (10) years from the date of acceptance.

CRN: 018255.5 ADD1
FID#: 15499

Notes:
1. All fittings shall be registered in the name of the manufacturer.
2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.
3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product.
4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.
UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK NOVA SCOTIA PRINCE EDWARD ISLAND NEWFOUNDLAND AND LABRADOR
NUNAVUT YUKON NORTHWEST TERRITORIES

MANUFACTURERS NAME: ABB Inc.
MANUFACTURERS ADDRESS: 125 East County Line Road, Warminster, PA, 18974 USA
PLANT LOCATIONS: Pennsylvania, USA

CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY
A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers
B Flanges: all flanges
C Valves: all line valves
D Expansion joints, flexible connections, and hose assemblies: all types
E Strainers, filters, separators, and steam traps
F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or
pressure transmitters
G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on
boilers, pressure vessels, piping and fusible plugs
H Pressure retaining components that do not fall into one of the above categories
N Nuclear components: Class 1 □ Class 2 □ Class 3 □. (Meeting AECB or ASME requirements)

SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT

ABB

TYPE OF CONSTRUCTION
FORGED □ WELDED □ WROUGHT □ CAST □ OTHER □ DESCRIBE OTHER:
Compression Fittings

LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:
TX Switch Stress Analysis Report 0119-0007-SAR; Main Assembly Drawing TX-0000-1; Data Sheet TX-EN

DECLARATION:

I, Mr. Steve Hunsberger (see note 3) employed by ABB Inc. and being the person having full authority and
responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of
my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure
temperature markings, and identification markings are in accordance with the herein named standards. I further declare that the
manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole
or in part and has been verified by DNV GL - Business Assurance as being suitable for that purpose and I make this solemn
declaration conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer:

[Signature]

Declared before me at Warminster, PA on 16 day of JUNE AD 2017

Commissioner of Oaths or Notary Public: [Signature]

[Affix Official seal to the right]

COMMONWEALTH OF PENNSYLVANIA
US DISTRICT COURT FOR THE
CHRYSTINE E. FREY, Notary Public,
Warminster Township, Bucks County
My Commission Expires April 20, 2019

This space for Regulatory Authority

This registration must be revalidated after ten (10) years from the date of acceptance

CRN: OF18255.5 ADD1
FID#: 15499

Notes:
1. All fittings shall be registered in the name of the Manufacturer.
2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.
3. The declaration shall be made by the person having full authority and
   responsibility for the quality of the end product.
4. Quality control programs shall be resubmitted for validation
   at a maximum interval of five (5) years.
January 5, 2018

TSSA
345 Carlingview Drive
Toronto, ON
M9W 6N9

Attn: Tanya Francis

REGISTRATION OF VALVES AND FITTINGS

Manufacturer: ABB Inc.

The design(s) for the following Valves/Fittings has been received by us and has been examined and accepted for registration in the Province of Manitoba as follows.

<table>
<thead>
<tr>
<th>DRAWING / CATALOGUE</th>
<th>CRN</th>
<th>FILE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Change of MFG location</td>
<td>0F18255.54</td>
<td>38404</td>
</tr>
</tbody>
</table>

An invoice covering survey and registration fees is enclosed.

NOTES:

1. CRN registered under reciprocal agreement & is conditional based on compliance with the notes set by the original issuing Jurisdiction: TSSA. This registration expires February 16, 2026.

This registration is valid until the indicated expiry date only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date. Should the approval of the quality management system lapse before the expiry date indicated above, this registration shall become void.

The registration of this design does not relieve the manufacturer, the owner or his agent of the responsibility for the design or construction of a fitting in accordance with the applicable Acts, Codes and Standards. Inspection and Technical Services assumes no responsibility by registering designs, examining plans and/or inspecting equipment or facility.

Regards,

Ryan Orlesky, C.E.T.
Design Surveyor
Office of the Fire Commissioner
Inspection and Technical Services Manitoba
508 - 401 York Avenue
Winnipeg, Manitoba, R3C 0P8
Phone: 204-945-3373
Email: ryan.orlesky@gov.mb.ca
STATUTORY DECLARATION

Registration of Fittings

Steve Hunsberger, Manager Quality Assurance

of ABB Inc.

Located at 125 East County Line Road, Warminster, PA, 18974 USA

215-674-6000
215-674-7183

I, Steve Hunsberger, Manager Quality Assurance of ABB Inc., do solemnly declare that the fittings listed hereunder, which are subject to the Technical Standards and Safety Act, Boilers and Pressure Vessels Regulation, comply with all of the requirements of ASME B31.1 and ASME B31.3

which specifies the dimensions, materials of construction, pressure/temperature ratings, identification marking the fittings and service;

or are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with as supported by the attached data which identifies the dimensions, material of construction, pressure/temperature ratings and the basis for such ratings, the marking of the fitting for identification and service.

I further declare that the manufacture of these fittings is controlled by a quality system meeting the requirements of ISO 9001:2008 which has been verified by the following authority, DNV GL -- Business Assurance.

The items covered by this declaration, for which I seek registration, are category F – Measuring Devices type fittings. In support of this application, the following information and/or test data are attached as follows:

TX Switch Stress Analysis Report 0119-0007-SAR; Main Assembly Drawing TX-0000-1; Data Sheet TX-EN

Declared before me at Warminster, PA in the County of Bucks

the 16 day of June AD 2017

Commissioner for Oaths:

COMMONWEALTH OF PENNSYLVANIA

NOTARIAL SEAL

Christine Eury, Notary Public
Warminster Township, Bucks County

My Commission Expires April 20, 2019

FOR OFFICE USE ONLY

To the best of my knowledge and belief, the application meets the requirements of the Technical Standards and Safety Act, Boilers and Pressure Vessels Regulation, and CSA Standard B51 and is accepted for registration in Category F

CRN: ___________________________

Registered by: __________________

Dated: _________________________

NOTE: This registration expires on: FEB 16, 2024

*Information provided in this application is releasable under the Freedom of Information and Privacy Protection Act and may be disclosed upon request.

PV 09639 (04/17)
STATUTORY DECLARATION
Registration of Fittings

I, Mr. Steve Hunsberger, Manager Quality Assurance
(Name and Position, e.g. President, Plant Manager, Chief Engineer)
of ABB Inc.
(Name of Manufacturer)

Located at 125 East County Line Road, Warminster, PA, 18974 USA 215-674-6000 215-674-7183
(Plant Address) (Telephone No.) (Fax No.)

☑ do solemnly declare that the fittings listed hereunder, which are subject to the Technical Standards and Safety Act, Boilers and Pressure Vessels Regulation, comply with all of the requirements of ASME B31.1 and ASME B31.3

>Title of recognized North American Standard

which specifies the dimensions, materials of construction, pressure/temperature ratings, identification marking the fittings and service;

☐ or are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with as supported by the attached data which identifies the dimensions, material of construction, pressure/temperature ratings and the basis for such ratings, the marking of the fitting for identification and service.

I further declare that the manufacture of these fittings is controlled by a quality system meeting the requirements of ISO 9001:2008 which has been verified by the following authority, DNV GL -- Business Assurance.

The items covered by this declaration, for which I seek registration, are category F -- Measuring Devices type fittings. In support of this application, the following information and/or test data are attached as follows:

TX Switch Stress Analysis Report 0119-0007-SAR; Main Assembly Drawing TX-0000-1; Data Sheet TX-EN

(drawings, calculations, test reports, etc.)

Declared before me at Warminster, PA in the County of Bucks

the 16 day of June AD 2017.

Commissioner for Oaths:

COMMONWEALTH OF PENNSYLVANIA

(Printed name) CHRISTINE FUREY, Notary Public (Signature)
Warminster Township, Bucks County
My Commission Expires April 20, 2019

FOR OFFICE USE ONLY

CRN: 0F18255.5ADD1
Registered by: MANU VALCIC, P.ENG.
Dated: AUG. 2, 2017

NOTE: This registration expires on: FEB. 16, 2026

*Information provided in this application is releasable under the Freedom of Information and Privacy Protection Act and may be disclosed upon request.
PV 09553 (04/17)
SCOPE OF CRN REVISION

ORIGINAL CRN: 0F18255.513467890NYT
ABB MODELS REGISTERED: TX
REASON FOR CRN REVISION: Original manufacturing location will cease production at the end of the year. Production is being moved to the following ABB location:

125 E. County Line Road
Warminster, PA, USA
18974-4995

There is no change to the registered design; this is a change in manufacturing location only. The CRN needs to be revised such that the new manufacturing location has been added to the CRN and the owner of the CRN is changed to this location as well.
Statutory Declaration Registration of Fittings

(a) Design Qualification

Mr. Steve Hunsberger
Manager Quality Assurance

Of ABB Inc.

Located at 125 East County Line Road, Warminster, PA, 18974 USA

I, Mr. Steve Hunsberger, Manager Quality Assurance of ABB Inc., located at 125 East County Line Road, Warminster, PA, 18974 USA, do solemnly declare that the fittings listed hereunder, which are subject to the Boilers & Pressure Vessels Act:

☐ comply with all the requirements of the ANSI/ASME codes as to their dimensions, material, identification & service for which are required:

Or

☐ are not covered by the provisions of the ANSI/ASME codes, and are therefore constructed to comply with ________________ code and standard, and are designed to the best current engineering practice, as shown by the supporting test data.

(b) Quality control of Manufacture

I further declare the manufacture of these fittings is controlled by a quality control program which comiles with the requirements of ISO9001:2008 ________________, and has been verified by the following authority or authorized agency: DNV GL – Business Assurance Category F

The fittings covered by this declaration, for which I seek registration, are

In support of the application, the following information, calculations and/or test data are attached:

TX Switch Stress Analysis Report 0119-0007-SAR; Main Assembly Drawing TX-0000-1; Data Sheet TX-EN

Declared before me at WARMINSTER, PA

In the of COUNTY of BUCKS

The 16 Day of JUNE AD 192017

(Commissioner for Oaths)

For Official Use Only

The application is accepted for registration in Category F in accordance with the Boilers and Pressure Vessels Act and CSA Standard B51.

This registration must be revalidated after ten (10) years from the date of acceptance.

EXPIRY DATE: FEB 16, 2026

Registered Number CRN CSA-OF18255.56ADD

Post of Inspector

R. BARNES NOV. 10, 2017

Note: See the attachment for the scope of the registration.
I. Declaration Information

Mr. Steve Hunsberger
Manager Quality Assurance

ABB Inc.

125 East County Line Road
Warminster, PA, USA 18974

Located at:

Do solemnly declare that the fittings listed hereunder, which are subject to the Saskatchewan Boiler and Pressure Vessel Safety Act (check one)

☐ Comply with the requirements of ASME B31.1 and ASME B31.3 which specifies the dimensions, materials of construction, pressure / temperature ratings and identification marking of the fittings, or

☐ Are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with ________________ as supported by the attached data which identifies the dimensions, materials of construction, pressure / temperature ratings and the basis for such ratings, and the marking of the fittings for identification.

I further declare that the manufacturer of these fittings is controlled by a quality control program which has been verified by the following authority, DNV GL – Business Assurance as being suitable for the manufacturer of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are ISO 9001:2008

In support of this application, the following information, calculations and / or test data are attached:

TX Switch Stress Analysis Report 0119-0007-SAR; Main Assembly Drawing TX-0000-1; Data Sheet TX-EN

II. Declaration

DECLARED before me at WARMINSTER, PA in the COUNTY of BUCKS

CHRISTINE FUREY, Notary Public
Warminster Township, Bucks County

Notarial Seal

Signature of Commissioner of Oaths

III. Office Use Only

To the best of my knowledge and belief, the application meets the requirements of the Boiler and Pressure Vessel Safety Act and CSA B51, Clause 4.2, and is accepted for registration in Category

CSA-OF18255,56 ADDL

Expiration Date: FEB 16, 2026

Note: See the attachment for the scope of the registration.

TSK-1008 Rev. 10/2012 Page 1 of 1
August 02, 2017

RICHARD COOK
INR ENGINEERING LTD.
115 EATON ST.
GEORGETOWN ON L7G 5T3
CA

Service Request Type: BPV-Fitting Registration
Service Request No.: 2130238
Your Reference No.: COMPANY NAME/ADDRESS CHANGE ONLY
Registered to: ABB INC

Dear RICHARD COOK,

Technical Standards and Safety Authority (TSSA) is pleased to inform you that your submission has been reviewed and registered as follows:

CRN No.: 0F18255.5ADD1
Main Design No.: ADD1: Change of the manufacturing location and CRN ownership only. There is no change in design or the scope of registration.
Expiry Date: 16-Feb-2026

Please be advised that a valid quality control system must be maintained for the fitting registration to remain valid until the expiry date.

The stamped copy of the approved registration and the invoice are mailed separately. Should you have any questions or require further assistance, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. We will be happy to assist you. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Mark Valcic P. Eng.
Engineer Specialist BPV
Tel.: 416-734-3494
Fax: 416-231-1626
Email: mvalcic@tssa.org
SCOPE OF CRN REVISION

ORIGINAL CRN: 0F18255.513467890NYT
ABB MODELS REGISTERED: TX
REASON FOR CRN REVISION: Original manufacturing location will cease production at the end of the year. Production is being moved to the following ABB location:

125 E. County Line Road
Warminster, PA, USA
18974-4995

There is no change to the registered design; this is a change in manufacturing location only. The CRN needs to be revised such that the new manufacturing location has been added to the CRN and the owner of the CRN is changed to this location as well.