

# INMETRO Hazardous Area Approvals

## Fisher™ 582i Electro-Pneumatic Converter and 3582i Positioners

This supplement provides INMETRO Hazardous Area Approval information for the 582i electro-pneumatic converter and the 3582i positioner. Use this in conjunction with information provided in the Fisher 3582 and 3582i Positioners, 582i Electro-Pneumatic Converter, and 3583 Valve Stem Position Transmitter instruction manual ([D200138X012](#)).

INMETRO—National Institute of Metrology, Quality and Technolog. INMETRO approval is accepted in Brazil.

Certain nameplates may carry more than one approval, and each approval may have unique installation/wiring requirements and/or conditions of “safe use”. These special instructions for “safe use” are in addition to, and may override, the standard installation procedures. Refer to the instruction manual for all other information regarding 3582 and 3582i positioners, 582i electro-pneumatic converters and 3583 valve stem position transmitters.

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### Note

This information supplements the nameplate markings affixed to the product.

Always refer to the nameplate itself to identify the appropriate certification.

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### WARNING

Failure to follow these conditions of “safe use” could result in personal injury or property damage from fire or explosion, and area re-classification.

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### For 582i Converter (also applies to 3582i positioners)

Certificate Number: IEx 14.0240

#### Standards Used for Certification

ABNT NBR IEC 60079-0:2013

ABNT NBR IEC 60079-1:2009

ABNT NBR IEC 60079-11:2013

ABNT NBR IEC 60079-15:2012

**Intrinsically Safe**

Ex ia IIC T6/T5/T4 Ga

Tamb = -40°C to: +47°C for T6 ; +62°C for T5 ; +71°C for T4

**Nominal Characteristics:**

30 Vmax, 4-20 mA

Ui = 30 V ; li = 150 mA ; Pi = 1.25 W ; Ci = 0 nF ; Li = 0 mH

**Flameproof**

Ex d IIC T6 Gb

Tamb = -40°C to: +71°C for T6

**Nominal Characteristics:** 30 Vmax, 4-20 mA**Type n**

Ex nA IIC T6 Gc

T6 = -40°C to +71°C

**Nominal Characteristics:** 30 Vmax, 4-20 mA

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