

INMETRO Hazardous Area Approvals for 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.

Note

This information supplements the nameplate markings affixed to the product.

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

⚠ 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.

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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