

INMETRO Hazardous Area Approvals Fisher™ 3722 Electro-Pneumatic Converter and 3720 Positioners

This supplement provides INMETRO Hazardous Area Approval information for the 3722 electro-pneumatic converter and the 3720 positioner. Use this in conjunction with information provided in the Fisher 3710 and 3720 Valve Positioners, and 3722 Electro-Pneumatic Converter Instruction Manual ([D101728X012](#)).

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 3710 and 3720 positioners and 3722 electro-pneumatic converters.

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 3722 Converter (also applies to 3720 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 ; +82°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/T5 Gb

Tamb = -40°C to: +74°C for T6 ; +82°C for T5

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

Ex nA IIC T6 Gc

T6 = -40°C to +77°C

Nominal Characteristics: 30 Vmax, 4-20 mA

Neither Emerson, Emerson Automation Solutions, nor any of their affiliated entities assumes responsibility for the selection, use or maintenance of any product. Responsibility for proper selection, use, and maintenance of any product remains solely with the purchaser and end user.

Fisher is a mark owned by one of the companies in the Emerson Automation Solutions business unit of Emerson Electric Co. Emerson Automation Solutions, Emerson, and the Emerson logo are trademarks and service marks of Emerson Electric Co. All other marks are the property of their respective owners.

The contents of this publication are presented for informational purposes only, and while every effort has been made to ensure their accuracy, they are not to be construed as warranties or guarantees, express or implied, regarding the products or services described herein or their use or applicability. All sales are governed by our terms and conditions, which are available upon request. We reserve the right to modify or improve the designs or specifications of such products at any time without notice.

Emerson Automation Solutions
Marshalltown, Iowa 50158 USA
Sorocaba, 18087 Brazil
Cernay, 68700 France
Dubai, United Arab Emirates
Singapore 128461 Singapore

www.Fisher.com

