INMETRO Hazardous Area Approvals
for Fisher™ FIELDVUE™ DLC3010 Digital Level Controller

This supplement provides INMETRO Hazardous Area Approval information for the DLC3010 digital level controller. Use this in conjunction with information provided in the DLC3010 instruction manual (D102748X012) or quick start guide (D103214X012).

INMETRO—National Institute of Metrology, Quality and Technology. 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 or quick start guide for all other information regarding DLC3010 digital valve controllers.

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.

Certificate Number: IEx-11.0005X

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
ABNT NBR IEC 60079-31:2011

Intrinsically Safe

Ex ia IIC T5 Ga, Ex ia IIIC T83 °C Da IP66
-40 °C ≤ Tamb ≤ +80 °C

Flameproof

Ex d IIC T5 Gb, Ex tb IIIC T83 °C Db IP66
-40 °C ≤ Tamb ≤ +80 °C

Type n

Ex nA IIC T5 Gc, Ex tc IIIC T83 °C Dc IP66
-40 °C ≤ Tamb ≤ +80 °C

Special Conditions for Safe Use

For Intrinsically Safe applications (Ex ia): the digital level controller must only be connected to a certified intrinsically safe equipment under the Brazilian System of Conformity Assessment (SBAC) and this connection must take into account the following parameters of safety:
Ui ≤ 30 V, Ii ≤ 226 mA, Pi ≤ 1,4 W, Ci ≤ 5,5 nF, Li ≤ 0,4 mH

The connection cables should be suitable for a maximum temperature of 83°C.

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