FM Hazardous Area Approvals Fisher™ 646 Electro-Pneumatic Transducer

Hazardous Area Classifications and Special Instructions for "Safe Use" and Installation in Hazardous Locations

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. Special instructions are listed by approval.

Note

This information supplements the nameplate markings affixed to the product and the 646 instruction manual (<u>D101351X012</u>), available from your Emerson sales office or Local Business Partner, or at <u>Fisher.com</u>.

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

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

Intrinsically Safe, Explosion proof, Type n Non-incendive, Dust-Ignition proof

No special conditions for safe use.

Refer to table 1 for additional information.

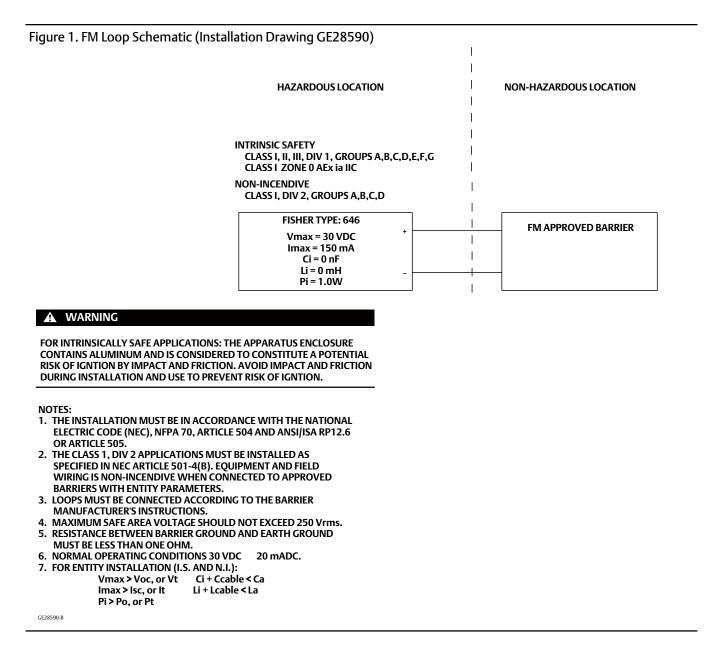
Table 1. Approval Information

Certification Body	Certification Obtained	Entity Rating	Temperature Code
FM	Intrinsically Safe Class 1 Zone 0 AEx ia IIC T4/T5 per drawing GE28590 (see figure 1) Class I, II, III Division 1 GP A,B,C,D,E,F,G T4/T5 per drawing GE28590 (see figure 1)	Vmax = 30 VDC Imax = 150 mA Pi = 1.0 W Ci = 0 nF Li = 0 mH	T4 (Tamb ≤ 71°C) T5 (Tamb ≤ 40°C)
	Explosion-proof Class 1 Zone 1 AEx d IIC T6 Class I, Division I, GP A,B,C,D T6		T6 (Tamb≤71°C)
	Type n CL 1 Zone 2 AEx nL IIC T6		T6 (Tamb≤71°C)
	Class I, Division 2, GP A,B,C,D T6 Class II, Division 1, Groups E,F,G T6 Class II, Division 2, GP F,G T6		T6 (Tamb≤71°C)





D104200X012



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

www.Fisher.com

