

IECEx Hazardous Area Approvals Fisher™ 846 Current-to-Pressure 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 846 instruction manual ([D102005X012](#)), available from your [Emerson sales office](#), Local Business Partner, or [www.Fisher.com](#).

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.

Special Conditions for Safe Use

Intrinsically Safe

Certificate: IECEx BAS 04.0023X

1. Models with an aluminum enclosure must be protected from impact or abrasion when located in a Zone 0 environment.
2. The enclosure poses a potential electro static hazard, do not rub or use solvents, clean only with a damp cloth.

Flameproof

Certificate: IECExBAS05.0049X

1. The equipment incorporates flameproof joints which have a maximum gap less than that stated in EN 60079-1. The user shall refer to the manufacturer's installation, operation, and maintenance document for guidance.
2. The cable entry device used shall be certified Ex d IIB or Ex d IIC.
3. The user shall ensure that the maximum system pressure does not exceed 35 psi.
4. Refer to figures 2-2 and 2-3 in the instruction manual for proper bolting engagement length for IECEx flameproof units.

5. A cable entry hole is provided for the accommodation of a flameproof cable entry device, with or without the interposition of a flameproof thread adaptor.

The cable entry device and thread adapter shall be suitable for the equipment, the cable and the conditions of use and shall be certified as Equipment (not a Component).

Refer to table 1 for additional approval information.

Table 1. IECEx Hazardous Area Classifications

Certificate	Certification Obtained	Entity Rating	Temperature Code
IECEx	Intrinsically Safe Gas Ex ia IIC T4/T5 Ga	U _i = 40 VDC I _i = 200 mA P _i = 1.0 W C _i = 8 nF L _i = 20 μH	T4 (T _{amb} ≤ 80°C) T5 (T _{amb} ≤ 40°C)
	Flameproof Gas Ex db IIB T5/T6 Gb	---	T5 (T _{amb} ≤ 80°C) T6 (T _{amb} ≤ 65°C)

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