

IECEx Hazardous Area Approvals Fisher™ 4200 Electronic Position Transmitters

Hazardous Area Classifications and Special Instructions for “Safe Use” and Installations 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 4200 Instruction Manual ([D200354X012](#)), available from your [Emerson sales office](#) or Local Business Partner, or at [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, or area re-classification.

Special Conditions for Safe Use

Intrinsically Safe

4211 and 4221

Maximum ambient temperature: -40°C to +71°C.

The equipment (Ex ia) can be only connected to an intrinsically safe equipment and this combination must be compatible as regard the intrinsic safety rules.

The enclosure of the equipment must not be submitted to mechanical impact or friction.

Type n

4211 and 4221

No special conditions for safe use.

Flameproof

4210, 4211, 4212, 4215, 4220, 4221, and 4222

No special conditions for safe use.

Refer to table 1 for approval information.

Table 1. Hazardous Area Classifications—IECEX

Certificate	Type	Certification Obtained	Entity Rating	Temperature Code
IECEX	4211, 4221 (LCIE)	Intrinsically Safe Gas Ex ia IIC T4/T5 Ga	Ui = 30 VDC Ii = 150 mA Pi = 1.0 W Ci = 5 nF Li = 0 mH	T4 (Tamb ≤ 71°C) T5 (amb ≤ 40°C)
		Dust Ex ta IIIC T81°C Da (Tamb ≤ 71°C) Ex ta IIIC T50°C Da (Tamb ≤ 40°C)	---	---
		Type n Gas Ex nA IIC T4 Gc	---	T4 (Tamb ≤ 71°C)
		Dust Ex tc IIIC T81°C Dc (Tamb ≤ 71°C)	---	---
	4210, 4211, 4212, 4215 4220, 4221, 4222 (SIRA)	Flameproof Gas Ex db IIC T5/T6 Gb IP66	---	T5 (Tamb ≤ 71°C) T6 (Tamb ≤ 56°C)
		Dust Ex tb IIIC T72°C Db (Tamb -20°C to 56°C)	---	---

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