

CSA Hazardous Area Approvals Fisher™ 3661 Positioners

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 3660 and 3661 Positioners instruction manual ([D101402X012](#)), available from your [Emerson Automation Solutions sales office](#) 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 of Safe Use

Intrinsically Safe and Non-incendive

No special conditions for safe use.

Type n

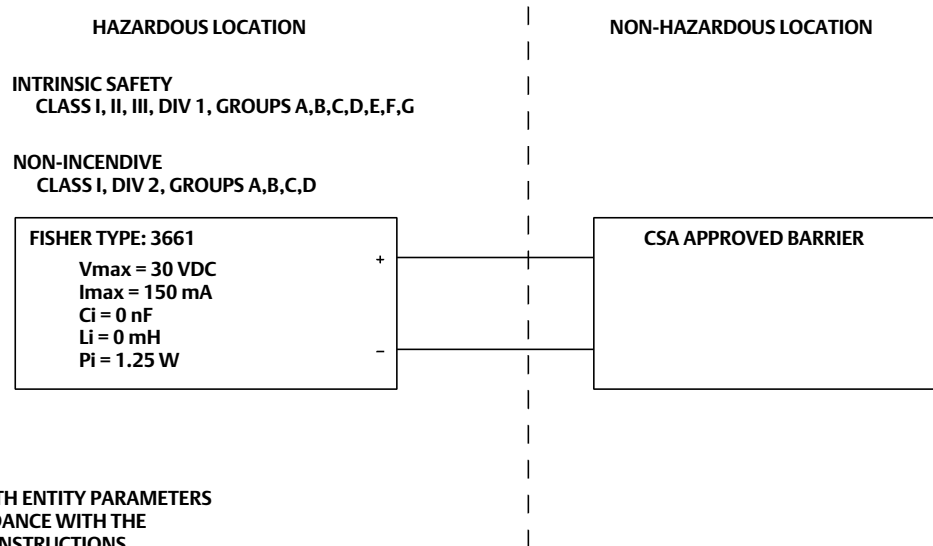
Type n installations must be in a suitable (IP5X) enclosure.

Refer to table 1 for additional approval information.

Table 1. Approval Information

Certification Body	Certification Obtained	Entity Rating	Temperature Code
CSA	Intrinsically Safe Ex ia IIC T4/T5/T6 per drawing GE28591 (see figure 1) Class I, II Division 1 GP A,B,C,D,E,F,G T4/T5/T6 per drawing GE28591 (see figure 1)	Vmax = 30 VDC Imax = 150 mA Pi = 1.25 W Ci = 0 nF Li = 0 mH	T4 (Tamb ≤ 82°C) T5 (Tamb ≤ 62°C) T6 (Tamb ≤ 47°C)
	Type n Ex nA IIC T6	---	T6 (Tamb ≤ 82°C)
	Class I Division 2 GP A,B,C,D T6	---	T6 (Tamb ≤ 82°C)

Figure 1. CSA Loop Schematic for Fisher 3661 Positioner (Drawing GE28591)

**NOTES:**

1. BARRIERS MUST BE CSA CERTIFIED WITH ENTITY PARAMETERS AND ARE TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS I.S. INSTALLATION INSTRUCTIONS.
2. EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE CANADIAN ELECTRICAL CODE, PART I.
3. FOR ENTITY INSTALLATION (I.S. AND NI): $V_{max} > V_{oc}$, $I_{max} > I_{sc}$, $C_i + C_{cable} < C_a$, $L_i + L_{cable} < L_a$.

GE28591-A

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