IECEx Hazardous Area Approvals Fisher[™] FIELDVUE[™] DVC2000 Digital Valve Controller

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 DVC2000 quick start guide (D103203X012) and instruction manual (D103176X012), available from your Emerson sales office, Local Business Partner, or Fisher.com.

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

A 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.

Conditions of Certification

Intrinsically Safe

This equipment shall be connected in accordance with the manufacturer's installation instructions (drawing GE14581, figure 2) to intrinsic safety barriers that satisfy the following parameters for each set of terminals.

Main 4-20 mA:	Ui = 30 V, li = 130 mA, Pi = 1W, Li = 0.55 mH, Ci = 10.5 nF
XMTR circuit:	Ui = 28 V, li = 100 mA, Pi = 1W, Li = 0 mH, Ci = 5 nF
Limit Switch 1 (LS1):	Ui = 16 V, li = 76 mA, Pi = 1W, Li = 0 mH, Ci = 5 nF
Limit Switch 2 (LS2):	Ui = 16 V, li = 76 mA, Pi = 1W, Li = 0 mH, Ci = 5 nF

Refer to figure 1 for a typical DVC2000 IECEx approval nameplate.



FISHER[®]

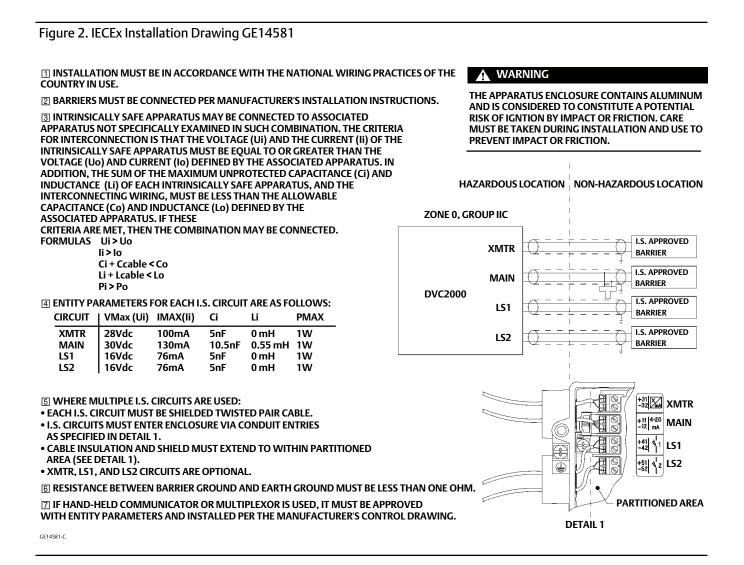
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Figure 1. Typical IECEx Nameplate

TYPE DVC2000		FISHER ⁻
SN		
30mADC 30VDC 100PSI MAX AMBIENT TEMP: -40°C TO +80°C; If		
IECEx CSA 05.0006X Ex ia IIC T4(Tamb≤80° INSTALL PER DRAWINO		Ga
WARNING: SUBSTITUTION OF COMPONENTS MAY	Y IMPAIR INTRINSIC SAFETY.	
REFER TO MAN	UAL FOR ADDITIONAL WARNINGS	AND LIMITS GE14380-E

Instruction Manual Supplement

D104227X012



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