

IECEx Hazardous Area Approvals Fisher™ FIELDVUE™ DLC3020f Digital Level Controller for FOUNDATION™ Fieldbus

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 DLC3020f quick start guide ([D103470X012](#)) and instruction manual ([D103434X012](#)), available from your [Emerson sales office](#) or 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.

Conditions of Certification

Intrinsically Safe

This apparatus shall only be connected to an intrinsically safe certified equipment and this combination must be compatible regarding the intrinsic safety rules (see electrical parameters in table 1).

Flameproof, Type n

No conditions of certification.

Refer to table 1 for additional approval information.

Table 1. Approval Information

Certification	Certification Obtained	Entity Rating		Temperature Code
		Fieldbus	FISCO	
IECEx	Intrinsically Safe Ex ia IIC T5/T6 Ga Dust Ex ia IIIC T87°C (Tamb ≤ 80°C), T80°C (Tamb ≤ 73°C) Da IP66	Ui = 24 V Ii = 380 mA Pi = 1.4 W Ci = 5 nF Li = 0 mH	Ui = 17.5 V Ii = 380 mA Pi = 5.32 W Ci = 5 nF Li = 0 mH	T5 (Tamb ≤ 80°C) T6 (Tamb ≤ 73°C)
	Flameproof Ex d IIC T5/T6 Gb Dust Ex tb IIIC T87°C (Tamb ≤ 80°C), T80°C (Tamb ≤ 73°C) Db IP66	---	---	T5 (Tamb ≤ 80°C) T6 (Tamb ≤ 73°C)
	Type n Ex nA IIC T5/T6 Gc Ex tc IIIC T87°C (Tamb ≤ 80°C), T80°C (Tamb ≤ 73°C) Dc IP66	---	---	T5 (Tamb ≤ 80°C) T6 (Tamb ≤ 73°C)

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