

# FM (United States and Canada) Hazardous Area Approvals

## Emerson AMIT2000, Electronic Asset Tag

### Hazardous Area Classifications and Special Instructions for “Safe Use” and Installation in Hazardous Locations

Markings on the product may specify more than one approval, and each approval may have unique installation 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.

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#### Note

This information supplements the markings affixed to the product and in the AMIT2000 Electronic Asset Tag instruction manual (D104400X012), available from your [Emerson sales office](#) or at Fisher.com.

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

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#### 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.

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#### Special Conditions of Use:

1. To prevent the risk of electrostatic sparking, the enclosure shall only be cleaned with a damp cloth.
2. Reader transmit power must be less than or equal to 1W.

#### Standards Used for Certification

##### United States:

FM Class 3600:2018  
FM Class 3610:2018  
ANSI/ISA 60079-0:2013  
ANSI/ISA 60079-11:2014  
ANSI/NEMA 250:2003  
ANSI/IEC 60529:2004

##### Canada:

CSA-C22.2 No. 0:2010  
CSA-C22.2 No. 94:R2011  
CSA-C22.2 No. 60529:R2010  
CAN/CSA-C22.2 No. 60079-0:2015  
CAN/CSA-C22.2 No. 60079-11:2014

Refer to table 1 and 2 for additional information.

Table 1. Approval Information, FM (United States and Canada) - Class/Division

Certification Body	Certification Obtained	Temperature Code
FM FM18US0118X FMCA0057X	Intrinsically Safe Class I, II, III Division I Groups A, B, C, D, E, F, G T4	T4 (-40°C ≤ Tamb ≤ +85°C)

Table 2. Approval Information, FM (United States and Canada) - Zone

Certification Body	Certification Obtained	Temperature Code
FM FM18US0118X FMCA0057X	Intrinsically Safe United States: Gas Class I, Zone 0 AEx ia IIC T4 Ga Dust Class I, Zone 20 AEx ia IIIC T135°C Da  Canada: Gas Zone 0 Ex ia IIC T4 Ga Dust Zone 20 Ex ia IIIC T135°C Da	Gas: T4 (-40°C ≤ Tamb ≤ +85°C) Dust: T135°C (-40°C ≤ Tamb ≤ +85°C)

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