

USA:

Canada:

& IS4028

Class I, Zone O, AEx ia IIC T6...T4

Class I, Zone O, Ex ia IIC T6...T4

 $T4 @ -40^{\circ}C \le T_{cmb} \le +85^{\circ}C$ T5 @ -40°C  $\leq$  T<sub>amb</sub>  $\leq$  +80°C

T6 @ -40°C  $\leq$  T<sub>amb</sub>  $\leq$  +60°C

Intrinsically Safe

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Class I, Division 1

Group ABCD T6...T4

Class I, II, III, Division 1 **Group ABCDEFG T6...T4** 

## Certifications for IS4022A, IS4027A & IS4028A

ATEX:

II 1 G Ex ia IIC T6...T4 Ga

FM08ATEX0068X

**UKEX:** 

II 1 G Ex ia IIC T6...T4 Ga APPROVED

FM22UKEX0110X

CE:

Compliance with

EN50081-1, EN50082-1 (For IS4022A)

EN55011, EN50082-2 (For IS4027A & IS4028A)

IECEx:

Ex ia IIC T6...T4 Ga **IECEx FMG 16.0003X** 

 $T4 @ -40^{\circ}C \le T_{cmb} \le +85^{\circ}C$ T5 @  $-40^{\circ}$ C  $\leq T_{amb} \leq +80^{\circ}$ C

T6 @ -40°C  $\leq$  T<sub>amb</sub>  $\leq$  +60°C

1. Barrier must satisfy the electrical requirements listed above.

**NOTES:** 

Barrier manufacturer's installation drawing must be followed when installing the system.

For US installations, the barrier configuration must be FM Global approved. See Bulletin 4003 for recommended barriers.

2. The preamp shall be installed in an enclosure. It shall also be installed in compliance with the enclosure, mounting, spacing, and segregation requirements of the ultimate application.

For ATEX, UKEX, and IECEx installations the enclosure shall maintain an ingress protection rating of IP54 (or greater according to the intended use and environmental conditions) and meets the enclosure requirements of EN 60079-0 and EN 60079-11 (for UKEX installations BS EN IEC 60079-0 and BS EN 60079-11, for IECEx installations IEC 60079-0 and IEC 60079-11).

Installation shall also be in accordance with the following standards:

for US installations follow ANSI/ISA RP12.6 and the National Electrical Code ANSI/NFPA 70, for Canadian installations follow the Canadian Electrical Code,

for ATEX & UKEX installations follow EN 60079-14, for IECEx installations follow IEC 60079-14.

- 3. Control Equipment connected to associated equipment must not use or generate more than 250V.
- 4. The non-metallic cover of the preamp is considered an electrostatic discharge hazard. Clean only with a damp cloth.
- 5. Preamplifier should be de-energized before separating connections.

