

Certifications for IS90A & IS91A IS100A & IS101A, IS160A & IS161A, IS170A & IS171A, IS220A & IS221A

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

FM08ATEX0066X

UKEX:

II 1 G Ex ia IIC T6...T4 Ga APPROVED FM22UKEX0108X

Compliance with EN55011, EN50082-2

IECEx:

CE:

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

> T4 @ -40°C \leq T_{amb} \leq +100°C $T5 @ -40^{\circ}C \le T_{amb} \le +85^{\circ}C$

T6 @ -40°C ≤ T_{amb} ≤ +65°C **NOTES:**

Certifications for IS70 & IS71 IS100 & IS101, IS160 & IS161, IS170 & IS171, IS220 & IS221

USA: **Intrinsically Safe**

> Class I, II, III, Division 1 **Group ABCDEFG T6...T5**

Class I, Zone O, AEx ia IIC T6...T5

APPROVED

Canada: **Intrinsically Safe**

Class I, Division 1 Group ABCD T6...T5

Class I, Zone O, Ex ia IIC T6...T5

T5 @ -40°C \leq T_{amb} \leq +85°C T6 @ -40°C \leq T_{amb} \leq +65°C

1. Barrier must satisfy the electrical requirements listed above.

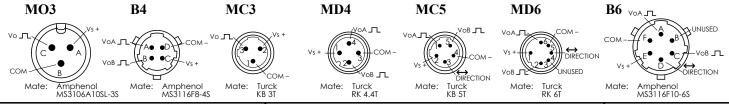
Barrier manufacturer's installation drawing must be followed when installing the system. For US installations, the barrier configuration must be FM Global approved. See Bulletin 4003 for recommended barriers.

2. Installation to 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. Sensor must be mounted as part of a bonded structure.
- 5. Sensor should be de-energized before separating connector and sensor.
- Aluminum housings: The mounting bracket contains aluminum and is considered to constitute a potential risk of ignition by impact or friction and must be taken into account during installation.
- Lead Wires: Red/Vs+, Black/Common-, White/Vo Output A, Yellow/Vo Output B, Green/Direction **Connector:**





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INTRINSICALLY SAFE INSTALLATION INSTRUCTIONS AGENCY APPROVAL DATE Feb 17th, 2023 DATE

PROCESS SPEC. NUMBER

DRAWN BY

APPROVED BY

11-15-2022

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