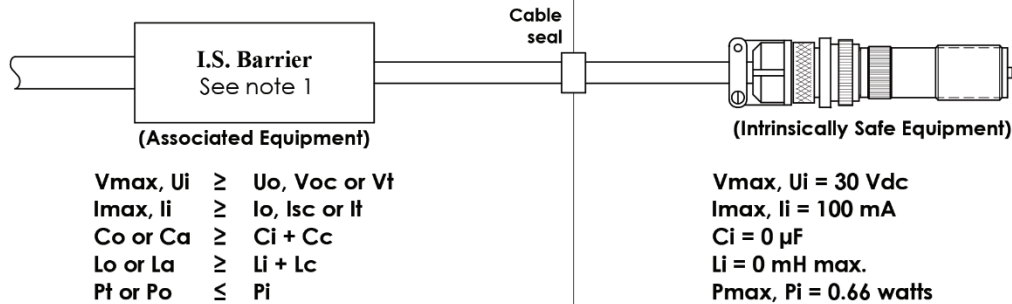


Magnetic Pick up Coil

85045 Installation Instruction, Intrinsically Safe

Non-Hazardous Location

Hazardous Location



$V_{max}, U_i \geq U_o, V_{oc}$ or V_f
 $I_{max}, I_i \geq I_o, I_{sc}$ or I_f
 C_o or $C_a \geq C_i + C_c$
 L_o or $L_a \geq L_i + L_c$
 P_t or $P_o \leq P_i$

$V_{max}, U_i = 30$ Vdc
 $I_{max}, I_i = 100$ mA
 $C_i = 0$ μ F
 $L_i = 0$ mH max.
 $P_{max}, P_i = 0.66$ watts

Certifications for IS40A & IS41A

Certifications for IS40A & IS41A

ATEX: II 1 G Ex ia IIC T6...T4 Ga
 FM08ATEX0066X

IECEX: Ex ia IIC T6...T4 Ga
 IECEX FMG 16.0003X
 T4 @ -40°C ≤ T_{amb} ≤ +100°C
 T5 @ -40°C ≤ T_{amb} ≤ +85°C
 T6 @ -40°C ≤ T_{amb} ≤ +65°C

CE: Compliance with
 EN50081-1, EN50082-1

USA: Intrinsically Safe
 Class I, II, III, Division 1
 Group ABCDEFG T6...T5
 Class I, Zone 0, AEx ia IIC T6...T5

Canada: Intrinsically Safe
 Class I, Division 1
 Group ABCD T6...T5
 Class I, Zone 0, Ex ia IIC T6...T5
 T5 @ -40°C ≤ T_{amb} ≤ +85°C
 T6 @ -40°C ≤ T_{amb} ≤ +65°C

NOTES:

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 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.

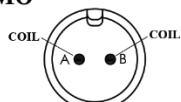
4. Sensor must be mounted as part of a bonded structure.

5. Sensor should be de-energized before separating connector and sensor.

6. Lead Wires: Black and/or White

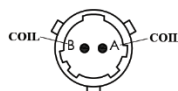
CONNECTOR:

MO



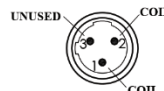
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B



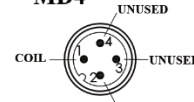
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MC3



Mate: Turck
 KB 3T

MD4



Mate: Turck
 RK 4.4T