DATE	CHANGES	INTL	REV
04.25.17	Original	ALH	1.0
06.11.18	Corrected Isolator Barrier PN	ALH	1.1
05.14.19	Added new isolation barrier option	CW	2.0

Hazardous (Classified) Location Class I, Div 1 Groups C, D Class II, Div 1 Groups E, F, G Class III Hazardous Location Mounted Equipment Non Hazardous (Unclassified) Location Non-Hazardous Location Mounted Equipment

Application Notes

- 1. Supply, Clock, and Data leads to be wired through P070-000AAA-01 EX210 IS Device Isolator or iKey's PS2-IS-BARRIER as shown above
- 2. Reference connection to ISA standard RP 12.06.01.
- 3. Installation shall be in accordance with the NEC, Article 504, ANSI/NFPA 70
- 4. Observe barrier manufacturer's installation instructions
- 5. Pointing device supplied with 5Vdc @ 20mA

Cable Parameters

P070-000AAA-01 EX210 IS Device Isolator

	Groups C, E	Groups D, F, G
Max Cable Capacitance	558.49 uF	988.49 uF
Max Cable Inductance	138 uH	388 uH
I		

iKey PS2-IS-BARRIER

	Groups C, E, F, G	Groups D
Max Cable Capacitance	105 uF	960uF
Max Cable Inductance	228 uH	456 uH

Specifications: Hazardous Location Devices DU-5K-FSR-IS: Intrinsically safe Class I,II,III Div 1 Groups C,D,E,F,G

Intrinsic Safety Barrier Specifications

P070-000AAA-01 EX210 IS Device Isolator OR iKey PS2-IS-BARRIER

No revision to drawing w/o prior FM approval

iKe y∰	, iKey, LTD	©2019 iKey,Ltd.	Part Number: DU-5K-FSR-IS	Drawing Number: HL0072	Sheet: 1 OF 1	
	2621 Ridgpoint Dr. Suite 235 Austin, Texas 78754	Voice: (512) 837-0283 Fax: (512) 927-8530	Drawing Title: HL0072 DU-5K-FSR-IS Control Drawing	Revision: 2.0	Date: 05.14.19	CW