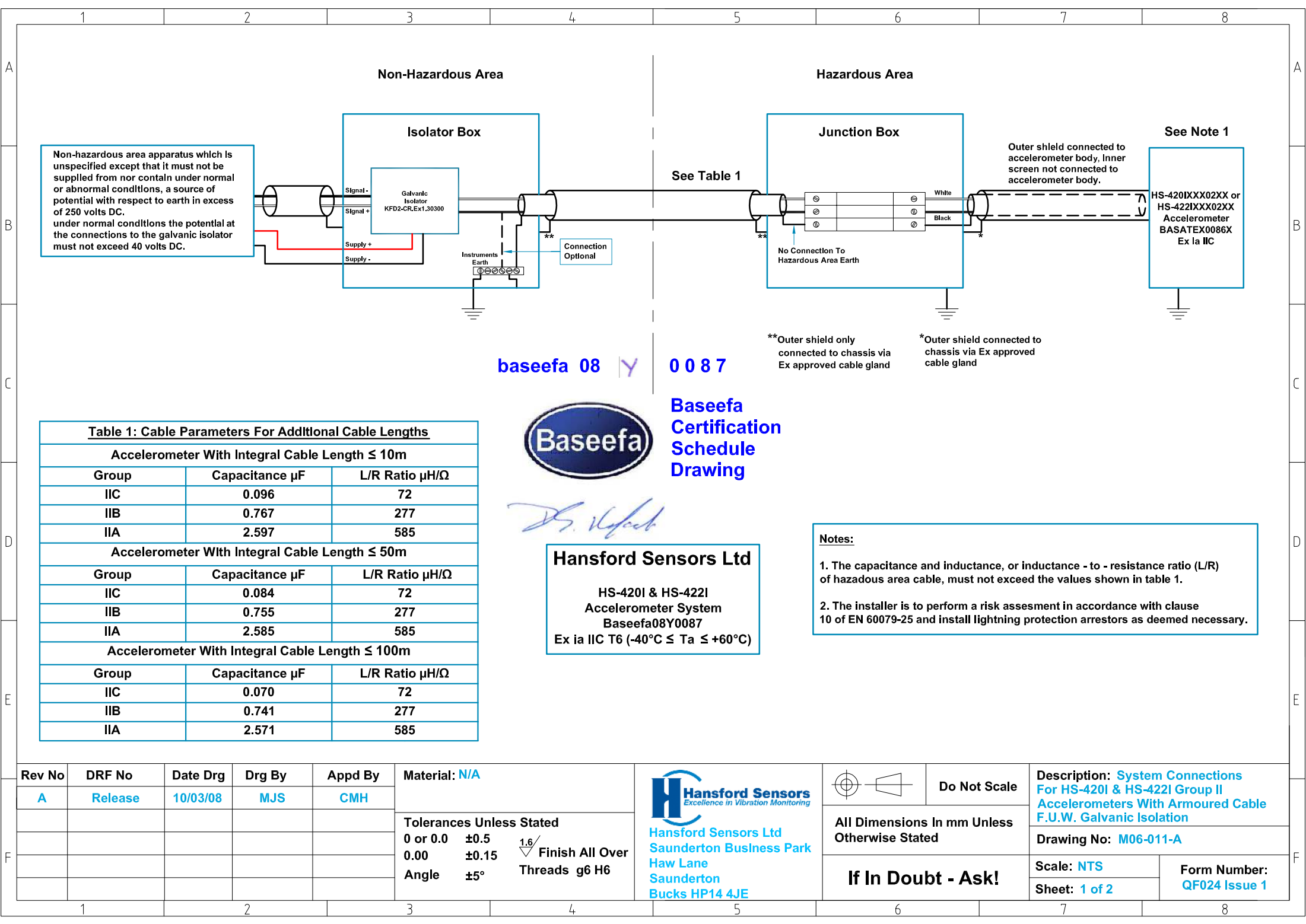
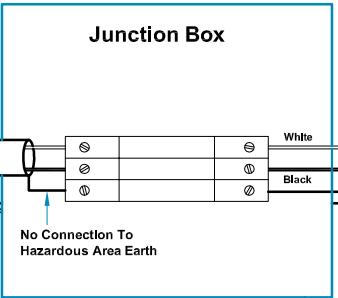
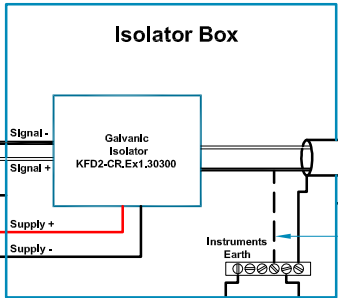




Non-hazardous area apparatus which is unspecified except that it must not be supplied from nor contain under normal or abnormal conditions, a source of potential with respect to earth in excess of 250 volts DC. under normal conditions the potential at the connections to the galvanic isolator must not exceed 40 volts DC.



See Note 1
HS-420I or HS-422I Accelerometer
BASATEX0086X
Ex ia IIC

baseefa 08 Y 0 0 8 7



Baseefa
Certification
Schedule
Drawing

Handwritten signature

Hansford Sensors Ltd

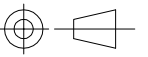
HS-420I & HS-422I
Accelerometer System
Baseefa08Y0087
Ex ia IIC T6 (-40°C ≤ Ta ≤ +60°C)

Table 1: Cable Parameters For Additional Cable Lengths

Accelerometer With Integral Cable Length ≤ 10m		
Group	Capacitance µF	L/R Ratio µH/Ω
IIC	0.096	72
IIB	0.767	277
IIA	2.597	585
Accelerometer With Integral Cable Length ≤ 50m		
Group	Capacitance µF	L/R Ratio µH/Ω
IIC	0.084	72
IIB	0.755	277
IIA	2.585	585
Accelerometer With Integral Cable Length ≤ 100m		
Group	Capacitance µF	L/R Ratio µH/Ω
IIC	0.070	72
IIB	0.741	277
IIA	2.571	585

Notes:

1. The capacitance and inductance, or inductance - to - resistance ratio (L/R) of hazardous area cable, must not exceed the values shown in table 1.
2. The installer is to perform a risk assesment in accordance with clause 10 of EN 60079-25 and install lightning protection arrestors as deemed necessary.

Rev No	DRF No	Date Drg	Drg By	Appd By	Material: N/A	 Hansford Sensors Ltd Saunderton Business Park Haw Lane Saunderton Bucks HP14 4JE	 Do Not Scale	Description: System Connections For HS-420I & HS-422I Group II Accelerometers With Armoured Cable F.U.W. Galvanic Isolation	
A	Release	10/03/08	MJS	CMH	Tolerances Unless Stated 0 or 0.0 ±0.5 0.00 ±0.15 Angle ±5°			Drawing No: M06-011-A	
					1.6/ Finish All Over Threads g6 H6		All Dimensions In mm Unless Otherwise Stated	Scale: NTS	
							If In Doubt - Ask!	Sheet: 1 of 2	Form Number: QF024 Issue 1