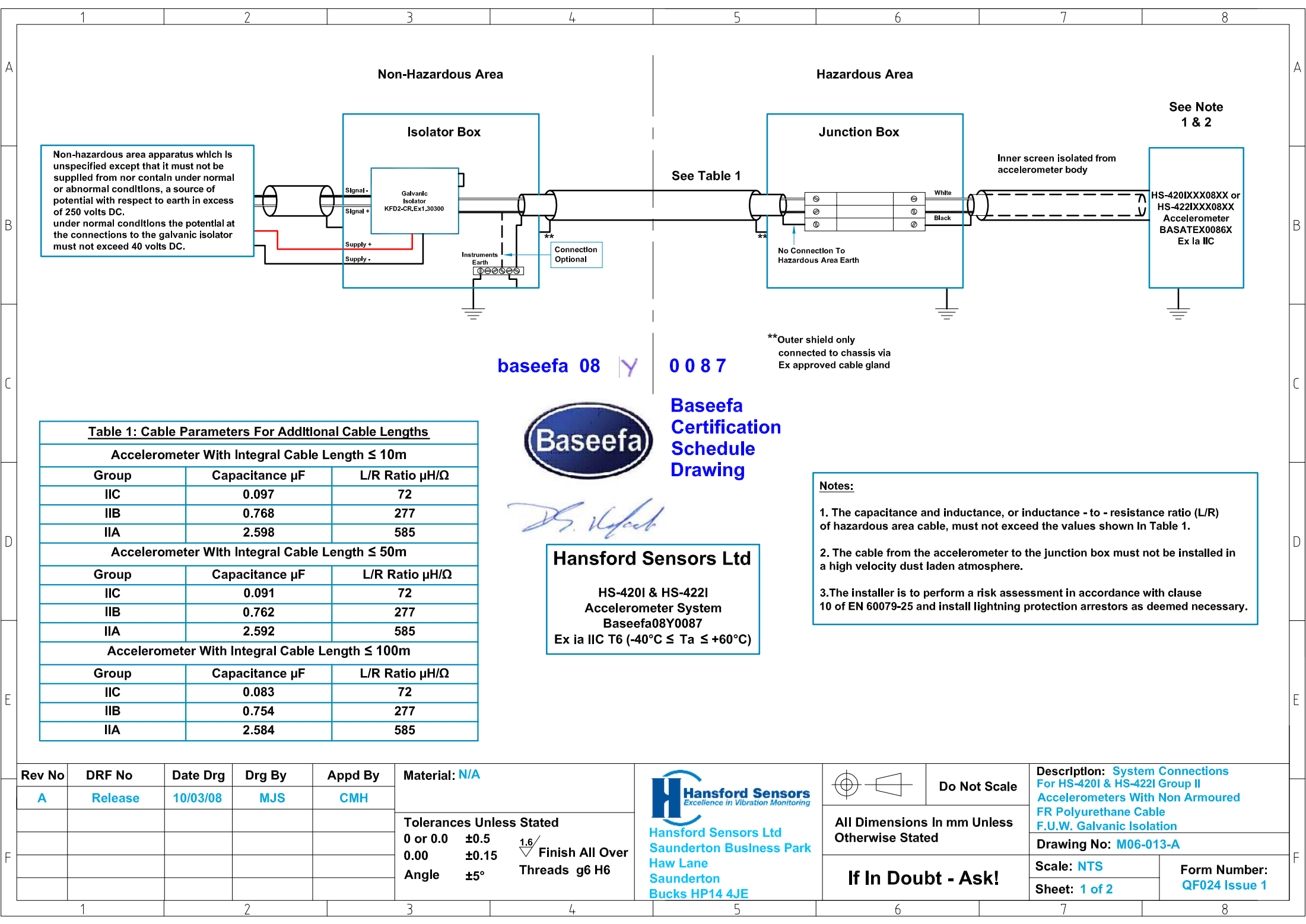
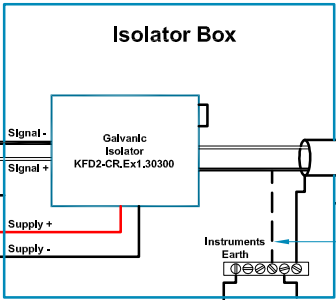


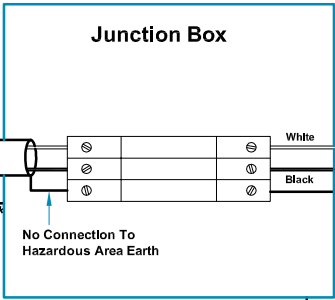


Non-hazardous area apparatus which is unspecified except that it must not be supplied from nor contain under normal or abnormal conditions, a source of potential with respect to earth in excess of 250 volts DC. under normal conditions the potential at the connections to the galvanic isolator must not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

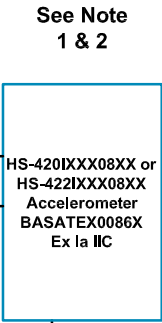


Connection Optional

See Table 1



Inner screen isolated from accelerometer body



**Outer shield only connected to chassis via Ex approved cable gland

baseefa 08 0087



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	0.097	72
IIB	0.768	277
IIA	2.598	585

Accelerometer With Integral Cable Length ≤ 50m

Group	Capacitance µF	L/R Ratio µH/Ω
IIC	0.091	72
IIB	0.762	277
IIA	2.592	585

Accelerometer With Integral Cable Length ≤ 100m

Group	Capacitance µF	L/R Ratio µH/Ω
IIC	0.083	72
IIB	0.754	277
IIA	2.584	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 cable from the accelerometer to the junction box must not be installed in a high velocity dust laden atmosphere.
- 3. The installer is to perform a risk assessment 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
A	Release	10/03/08	MJS	CMH

Material: N/A

Tolerances Unless Stated
0 or 0.0 ±0.5
0.00 ±0.15
Angle ±5°

1.6/√ Finish All Over
Threads g6 H6

Hansford Sensors
Excellence in Vibration Monitoring

Hansford Sensors Ltd
Saunderton Business Park
Haw Lane
Saunderton
Bucks HP14 4JE

Do Not Scale

All Dimensions In mm Unless Otherwise Stated

If In Doubt - Ask!

Description: System Connections For HS-420I & HS-422I Group II Accelerometers With Non Armoured FR Polyurethane Cable F.U.W. Galvanic Isolation

Drawing No: M06-013-A

Scale: NTS
Sheet: 1 of 2

Form Number: QF024 Issue 1