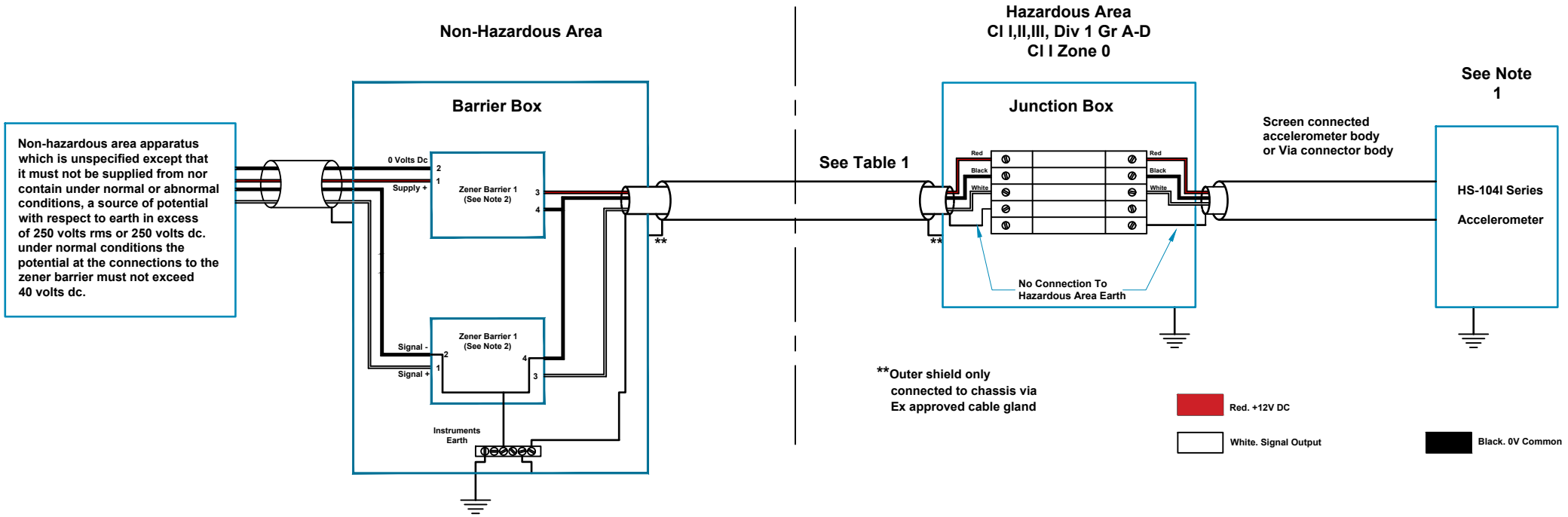

Certificate details: Group II	IECExBAS18.0095X Baseefa18ATEX0157X Ⓔ II 1G Ex ia IIC T6...T4 Ga	500V Isolation	Units Will Pass A 500V Isolation Test
Terminal Parameters Connector	Ui = 12V, Ii = 160mA, Pi = 0.48W Ci = 494nF, Li = 0	Certified temperature range	Ex ia IIC T6 Ga (-55ºC ≤ Ta ≤ +66ºC) (Gas) Ex ia IIC T4 Ga (-55ºC ≤ Ta ≤ +116ºC) (Gas)
Terminal Parameters 92m of Cable	Ui = 12V, Ii = 160mA, Pi = 0.48W Ci = 529nF, Li = 66µH	Isolators/Zenner Barriers	Ui ≥ Uo Ii ≥ Io Pi ≥ Po Co ≥ Ci + Ccable Lo ≥ Li + Lcable

Special Conditions of use: When a sensor is supplied with integral cable, this must be terminated in an enclosure providing at least degree of protection IP20. The equipment is reduced with reduced certification markings. Refer to the Certificate Schedule for full certification marking and applicable temperature classification associated ambient temperature range. The screen of the cable is not to be connected to the barrier in the Safe Area, it must be connected in the Hazardous area only.

Note: If the equipment is to be used in unusual environments or aggressive substances are likely to be encountered, contact the manufacturer to discuss suitability.

Hansford Sensors Ltd

HS-104I Series Accelerometer System

Notes:

1. The cable from the accelerometer to the junction box must not be installed in a high velocity dust laden atmosphere

2. Zener diode saftey barrier (1) certified by an ec approved body to [EEx ia] IIC having the following output parameters: Uo = 12V dc, Io = 80mA dc, Po = 0.48W. e.g. MTL7766ac to BAS01ATEX7217

3.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
A	Release	15/03/19	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
Artisan, Hillbottom Rd
Sands Industrial Estate
High Wycombe
Bucks HP12 4HJ

Do Not Scale

All Dimensions In mm Unless Otherwise Stated

If In Doubt - Ask!

Description: System Connections
For HS-104I Group II
Cable/Connector Options
Accelerometers F.U.W. Zener Barrier

Drawing No: M06-091-A

Scale: NTS

Sheet: 1 of 1

Form Number: QF024 Issue 1