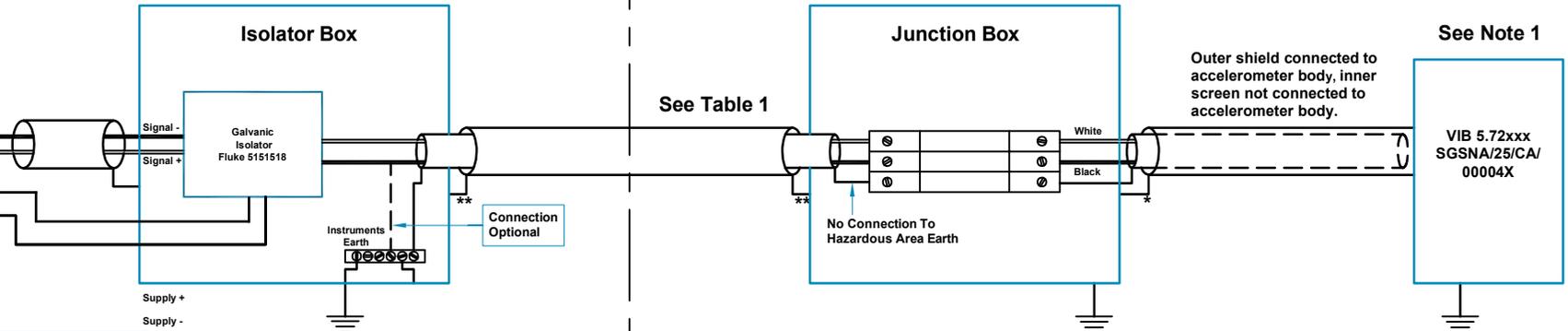


VIB 5.72xxx T4 and T6 Version

Non-Hazardous Area

Hazardous Area

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.



Conditions of use:
 1. The unterminated end of the integral cable must be terminated in a suitably certified dust tight enclosure.
 2. Ordinary locations evaluation not conducted. It is the responsibility of the certificate holder to maintain an ordinary locations certification in good standing by an approved NRTL.

The cable of the preassembled confections VIB 3.5570-x, VIB 309007-x and VIB 5.745-x owns the following capacitance and inductance:
 C = 86 pF/m
 L = 0.75 µH/m

SGSNA/25/CA/00004X
 19th November 2025

 A M Thomas

***Parameters do not consider cable.**

$U_i = 28v$ $I_i = 115mA$ $P_i = 650mW$ $C_i = 0$ $L_i = 0$	$U_o \leq U_i$ $I_o \leq I_i$ $P_o \leq P_i$ $C_o \geq C_i + C_{cable}$ $L_o \geq L_i + L_{cable}$
---	--

Class I, II, III Division 1, 2 Groups A-G T4
 Class I, Zone 0 AEX ia IIC T4 Ga
 Zone 20, AEX ia IIIC T130°C Da
 Ex ia IIC T4 Ga
 Ex ia IIIC T130°C Da
 -40°C ≤ Ta ≤ +110°C

Class I, II, III Division 1, 2 Groups A-G T6
 Class I, Zone 0 AEX ia IIC T6 Ga
 Zone 20, AEX ia IIIC T80°C Da
 Ex ia IIC T6 Ga
 Ex ia IIIC T80°C Da
 -40°C ≤ Ta ≤ +60°C

During install ensure selected cable parameter does not exceed limits in Table 1 when cut to length at installation.

IIC	0.09µF	2.3mH
IIB*	0.7µF	17mH
IIA	2.3µF	28mH

* Use IIB limits for group III atmosphere

FLUKE Electronics Corporation
 VIB 5.72xxx
 Accelerometer System

Notes:

- The capacitance and inductance, or inductance - to - resistance ratio (L/R) of hazardous area cable, must not exceed the values shown in table 1. The capacitance and inductance per unit length must be considered.
- 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	Material: N/A
0	Release	21/10/25	AM	XXX	
					Tolerances Unless Stated 0 or 0.0 ±0.5 0.00 ±0.15 Angle ±5°
					1.6/√ Finish All Over Threads g6 H6

FLUKE
 Fluke Corporation
 PO BOX 9090
 Everett, WA 98206-9090

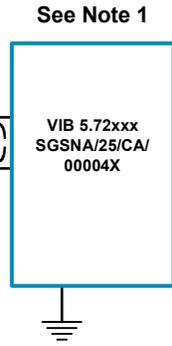
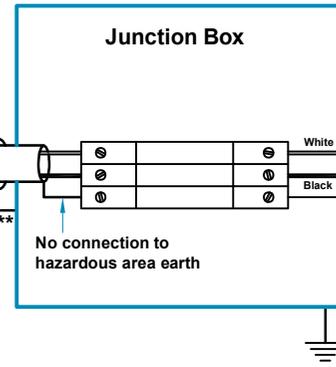
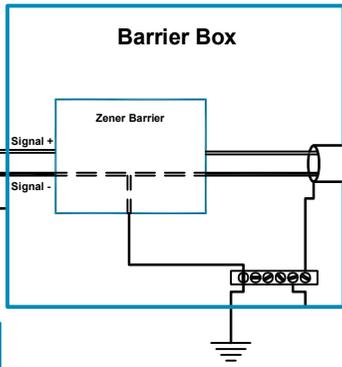
Do Not Scale
 All Dimensions In mm Unless Otherwise Stated
If In Doubt - Ask!

Description: VIBROTECTOR EX, INTRINSIC SAFE SENSOR CONTROL DRAWING System Connections For VIB 5.72xxx Accelerometers With Galvanic Isolation
 Part Number: 6135898
 Scale: NTS
 Sheet: 1 of 1 Page 1
 Form Number: QF024 Issue 1

VIB 5.72xxx T4 and T6 Version

Non-Hazardous Area

Hazardous Area



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 rms or 250 volts dc. under normal conditions the potential at the connections to the zener barrier must not exceed 40 volts dc.

Conditions of use:
 1. The unterminated end of the integral cable must be terminated in a suitably certified dust tight enclosure.
 2. Ordinary locations evaluation not conducted. It is the responsibility of the certificate holder to maintain an ordinary locations certification in good standing by an approved NRTL.

The cable of the preassembled confections VIB 3.5570-x, VIB 309007-x and VIB 5.745-x owns the following capacitance and inductance:
 C = 86 pF/m
 L = 0.75 μH/m

SGSNA/25/CA/00004X
 19th November 2025

 Schedule Drawing
A. Thomas
 A M Thomas

***Parameters do not consider cable.**

$U_i = 28v$ $I_i = 115mA$ $P_i = 650mW$ $C_i = 0F$ $L_i = 0H$	$U_o \leq U_i$ $I_o \leq I_i$ $P_o \leq P_i$ $C_o \geq C_i + C_{cable}$ $L_o \geq L_i + L_{cable}$
---	--

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

Class I, II, III Division 1, 2 Groups A-G T4
 Class I, Zone 0 AEX ia IIC T4 Ga
 Zone 20, AEX ia IIIC T130°C Da
 Ex ia IIC T4 Ga
 Ex ia IIIC T130°C Da
 -40°C ≤ Ta ≤ +110°C

Class I, II, III Division 1, 2 Groups A-G T6
 Class I, Zone 0 AEX ia IIC T6 Ga
 Zone 20, AEX ia IIIC T80°C Da
 Ex ia IIC T6 Ga
 Ex ia IIIC T80°C Da
 -40°C ≤ Ta ≤ +60°C

Notes:

- The capacitance and inductance, or inductance - to - resistance ratio (L/R) of hazardous area cable, must not exceed the values shown in Table 1. The capacitance and inductance per unit length must be considered.
- 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.

FLUKE Electronics Corporation
 VIB 5.72xxxT
 Accelerometer System

Rev No	DRF No	Date Drg	Drg By	Appd By	Material: N/A
0	Release	21/10/25	AM	XXX	
					Tolerances Unless Stated 0 or 0.0 ±0.5 0.00 ±0.15 Angle ±5°
					1.6/ Finish All Over Threads g6 H6

FLUKE
 Fluke Corporation
 PO BOX 9090
 Everett, WA 98206-9090

Do Not Scale
 All Dimensions In mm Unless Otherwise Stated
If In Doubt - Ask!

Description: VIBROTECTOR EX, INTRINSIC SAFE SENSOR CONTROL DRAWING System Connections For VIB 5.72xxx Accelerometers With Zener Barrier
 Part Number: **6135898**
 Scale: **NTS**
 Sheet: **1 of 1 Page 2**
 Form Number: **QF024 Issue 1**