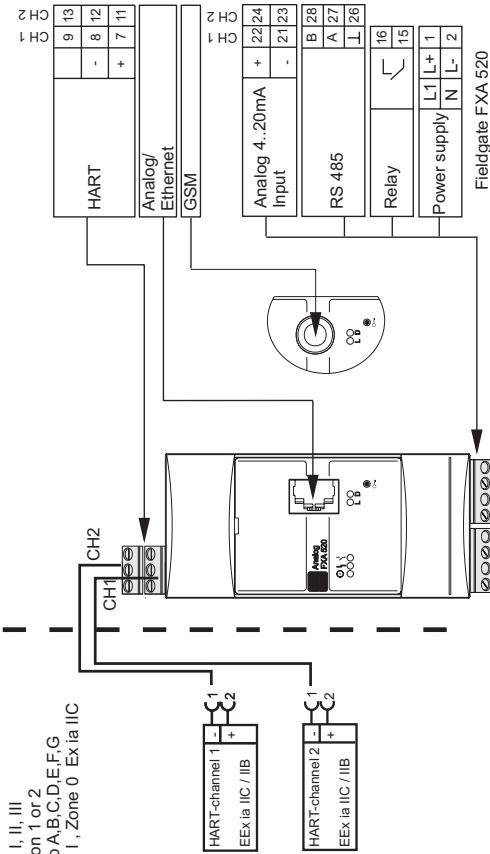


**Fieldgate FXA 520**

**Hazardous (Classified) Location**

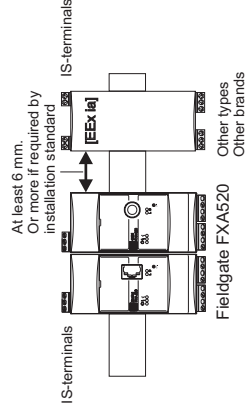
Class I, II, III  
Division 1 or 2  
Group A, B, C, D, E, F, G  
Class I, Zone 0 Ex ia IIC

**Non-hazardous Location**



**Notes :**

1. **WARNING :** Substitution of components may impair intrinsic safety !  
**AVERTISSEMENT :** La substitution de composants peut compromettre la sécurité intrinsèque !
2. CSA approved apparatus must be installed in accordance with manufacturer instructions
3. Maximum safe area voltage 250 Vrms
4. Install per the Canadian Electrical Code (CEC), Part I
5. The unit must be installed in a suitable enclosure acceptable to the local inspection authority
6. Terminals of intrinsically safe circuits must be separated from terminals of non-intrinsically safe circuits by creepage and clearance distance of at least 50 mm (2 in.)
7. Use additional precautions such as wiring tie downs or special wiring methods to provide adequate separation, especially when terminals are arranged one above the other.
8. Use supply wires suitable for 5°C above surrounding ambient.
9. Installation on the top hat rail :



Agency controlled drawing. No changes without prior Agency approval.

<b>Supply voltage</b> 1, 2	<b>AC-Version :</b> U = 85 ... 250 V AC 50/60 Hz P ≤ 6,0 VA (Analog-Version) P ≤ 4,9 VA (Ethernet-Version) P ≤ 8,0 VA (GSM-Version)	<b>DC-Version :</b> U = 20 ... 60 V DC U = 20 ... 30 V AC 50/60 Hz P ≤ 2,1 W/ 3,3 VA (Analog-Version) P ≤ 1,5 W/ 2,5 VA (Ethernet-Version) P ≤ 3,2 W/ 5 VA (GSM-Version)
	<b>All relays rating</b> 15, 16 U ≤ 250 V AC, I ≤ 2 A, P ≤ 500 VA bei cos φ ≥ 0,7 U ≤ 40 V DC, I ≤ 2 A, P ≤ 80 W	

**Entity Parameters**

	La	Ca	Use Voc and Isc parameters when channels 1 and 2 are separately wired, using cables not subject to short circuiting, using wiring methods in accordance with CEC.
<b>Fieldgate FXA 520</b>			
Channel 1 (CH1) : Terminal 7,8	0,5 mH	2000nF	
Channel 2 (CH2) : Terminal 11,12	1,0 mH	2000nF	
	2,0 mH	10 µF	
	5,0 mH	7µF	

ZD 087F/00/en/03.03/CCS  
CSA / A 07.10.02



**CSA Installation Drawing  
960527-0071 A**

Fieldgate FXA 520

**Endress + Hauser**  
The Power of Know How

