ZD 086F/00/en/05.03/CCS
FM / A 07.10.02

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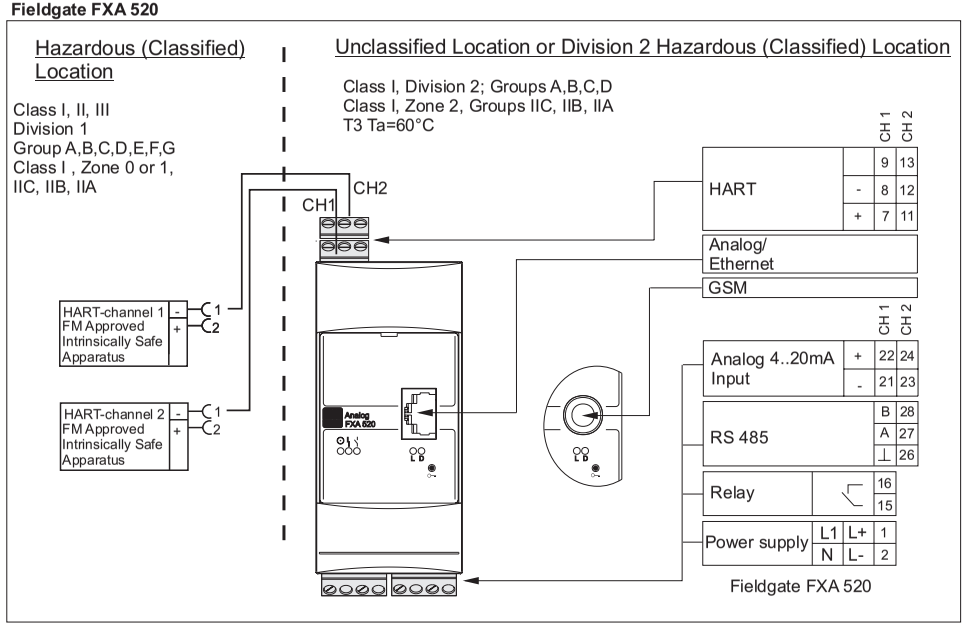
Control Drawing
960527-0070 A

Fieldgate FXA 520

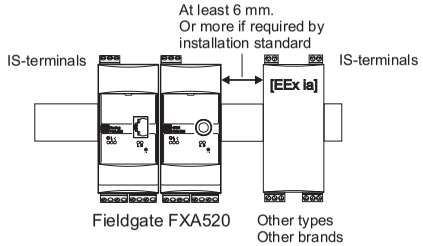
Endress + Hauser
The Power of Know How

Fieldgate FXA 520



Notes :

1. WARNING : Substitution of components may impair intrinsic safety !
2. FM approved apparatus must be installed in accordance with manufacturer instructions
3. Maximum safe area voltage 250 Vrms
4. The installation must be in accordance with the National Electrical Code (ANSI / NFPA 70) and ANSI/ISA RP 12.06.01 “Installation of Intrinsically Safe systems for Hazardous (Classified) location“
5. The Fieldgate FXA shall be installed in compliance with the enclosure, mounting, spacing and segregation requirements of the ultimate application. Further enclosure details may be found in ANSI/ISA S82.02.01 Standards.
6. 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.
7. 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.).
8. Installation on the top hat rail :
9. The following must be followed when connecting to intrinsically safe apparatus:
   Voc ≤ Vmax, Isc ≤ Imax, Po ≤ Pi, Ca ≥ Ccable + Ci, La ≥ Lcable + Li
10. Fieldgate FXA 520 may be installed in Class I, Division 2/Zone 2 hazardous (classified) locations in accordance with National Electrical Code (ANSI/NFPA 70) Division 2/Zone 2 wiring methods.



Agency controlled drawing. No changes without prior Agency approval.

	AC-Version :	DC-Version :
Supply voltage 1, 2	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)	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 ≤ 3,2W/ 5 VA (GSM-Version)
All relays rating 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

Fieldgate FXA 520		GROUP	La	Ca	Use Voc and Isc parameters when channels 1 and 2 are separatly wired, using cables not subject to short circuiting, using wiring methods in accordance with NEC.
Channel 1 (CH1) : Terminal 7,8 or Channel 2 (CH2) : Terminal 11,12	Voc ≤ 6.5 V Isc ≤ 6.0 mA Po ≤ 9.8 mA	A,B (IIC)	860 mH	25µF	
		C, E (IIB)	1000 mH	570 µF	
		D, F, G (IIA)	1000 mH	1000µF	