

ZD 069F/00/en/04.01/CCS  
FM / A 21.02.01



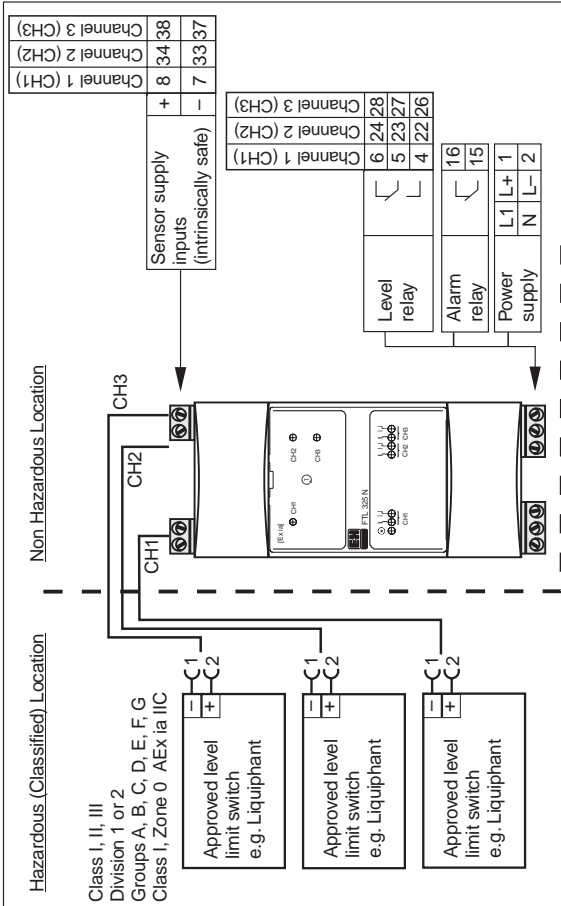
## Control drawing 960512-0070 A

Nivotester FTL 325 N

Endress + Hauser



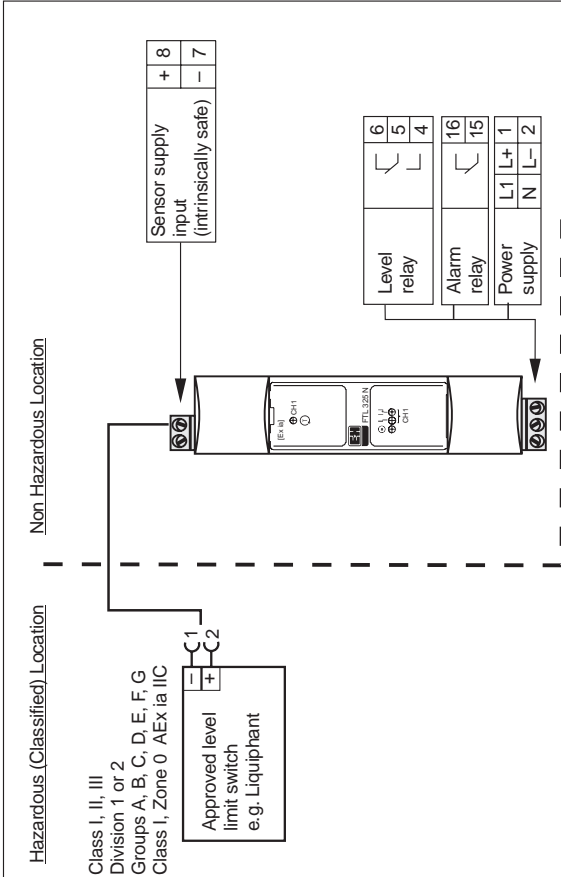
### Nivotester FTL 325 N (Three Channel Version)



#### Entity Parameters

Nivotester FTL 325 N Three Channel Version		La	Ca
Channel 1 (CH1): Terminal 7, 8	$V_{oc} \leq 12.0\text{ V}$ $I_{sc} \leq 34\text{ mA}$ $P_o \leq 154\text{ mW}$	0.5 mH 1.0 mH	500 nF 450 nF
Channel 2 (CH2): Terminal 33, 34		1.0 mH	2.0 $\mu\text{F}$
Channel 3 (CH3): Terminal 37, 38		5.0 mH	1.5 $\mu\text{F}$
	Use $V_{oc}$ and $I_{sc}$ parameters when channels 1, 2 and 3 are separately wired, using cables not subject to short circuiting, using wiring methods in accordance with NEC.		

### Nivotester FTL 325 N (One Channel Version)

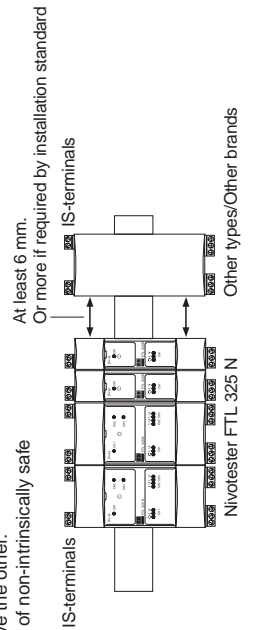


#### Entity Parameters

Nivotester FTL 325 N One Channel Version		La	Ca
Channel 1 (CH1): Terminal 7, 8	$V_{oc} \leq 12.0\text{ V}$ $I_{sc} \leq 34\text{ mA}$ $P_o \leq 154\text{ mW}$	0.5 mH 1.0 mH	500 nF 450 nF
		1.0 mH	2.0 $\mu\text{F}$
		5.0 mH	1.5 $\mu\text{F}$
	Use wiring methods in accordance with NEC.		

#### Notes:

1. WARNING: Substitution of components may impair intrinsic safety!
2. FMRC 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 article 504 and ANSI/ISA-RP 12.6.
5. Install the device protected from dust and moisture.
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:



#### Supply voltage

FTL 325 N One Channel Version	AC-Type: 85...250 V AC, 50/60 Hz	All relays rating
FTL 325 N Three Channel Version	DC/AC-Type: 20... 60 V DC 20... 30 V AC, 50/60 Hz	$U \leq 250\text{ V AC}, I \leq 2\text{ A}$ $P \leq 500\text{ VA} (\cos \phi \geq 0.7),$ $U \leq 40\text{ V DC}, I \leq 2\text{ A}$ $P \leq 80\text{ W}$

Agency controlled drawing. No changes without prior Agency approval.