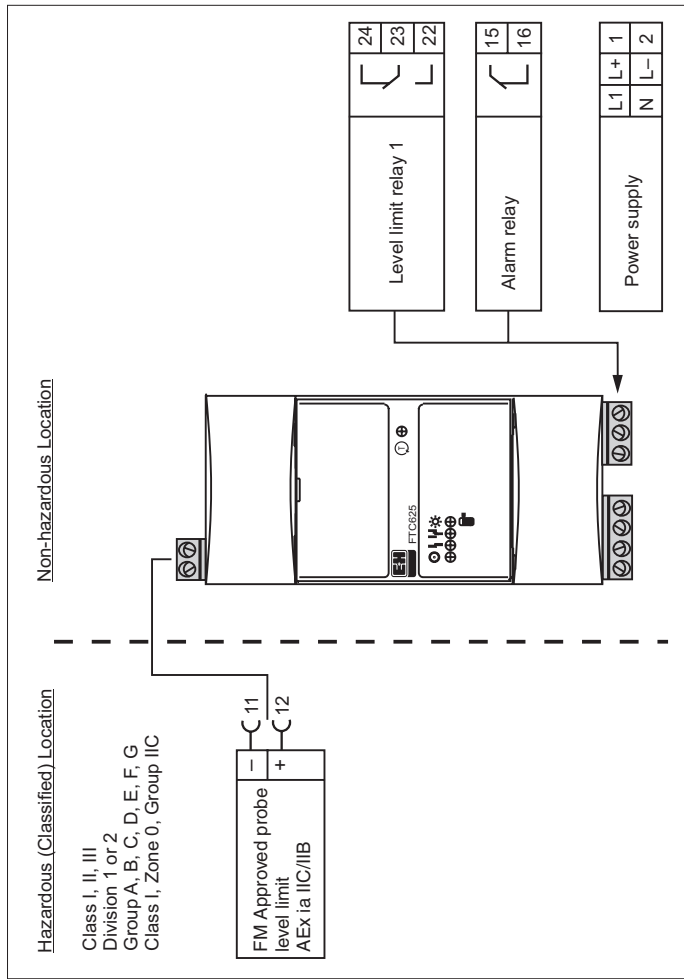
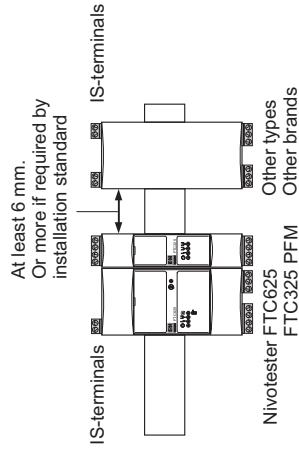


**Nivotester FTC625
FTC325 PFM**



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 12.06.01.
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. All apparatus connected to the intrinsically safe circuits shall be included into the equipotential bonding.
8. 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).
9. Installation on the top hat rail:



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	U = 20...60 V DC U = 20...30 V AC, 50/60 Hz P ≤ 2.0 W / 3.5 VA
Relays rating 22, 23, 24 *15, 16 depending of configuration normally open or normally close	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

Nivotester FTC625 FTC325		La	Ca	Entity Evaluation is based on trapezoidal output. (For combined inductive / capacitive circuits)
Channel 1 (CH1): Terminal 12	Voc ≤ 13.9 V Isc ≤ 99 mA	113 µH 463 µH 963 µH	162 nF 62 nF 12 nF	
Ground:	Po ≤ 874 mW	463 µH 963 µH 4.96 mH	860 nF 860 nF 260 nF	
	11			

GEOMETRICAL TOLERANCING DIN ISO 1101
SURFACE TEXTURE DIN ISO 1302
EDGES OF WORKING PARTS DIN 6784

