

ZD 006F/00/en/05.98/EHF

CSA / B 05.02.98



960346-1125

Installation drawing (IS) 960346-1125 B

Multicap DC..A., DC..TA.
+ EC 16 Z, 17 Z, 27 Z,
EC 37 Z, 47 Z

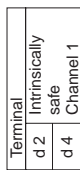
Endress + Hauser



CSA certified Racksyst card

FTC 671Z

Terminal	Intrinsically safe	Channel 1
d 2		
d 4		



CSA certified Racksyst card

FTC 470Z/471Z
or
FMC 671Z/676Z

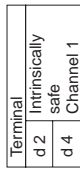
Terminal	Intrinsically safe	Channel 1
d 2		
d 4		



CSA certified Racksyst card

FTC 470Z
or
FMC 671Z/676Z
or
FMC 672Z/677Z

Terminal	Intrinsically safe	Channel 1
d 2		
d 4		

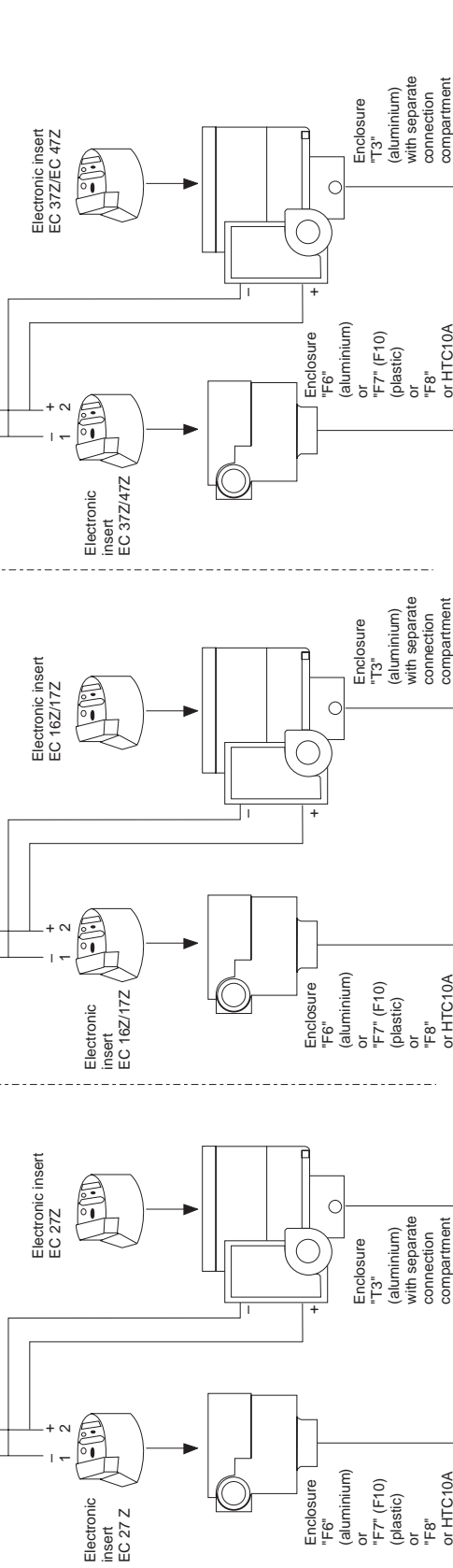


Terminal	Intrinsically safe	Channel 2
z 2		
z 4		



← Safe location →

→ Hazardous location
Class I , Groups A, B, C, D
Class II , Groups E, F, G
Class III



Notes:

Division 1 installation

- Control room equipment may not use or generate over 250 Vrms.
- Install per the Canadian electrical code
- Warning: Substitution of components may impair intrinsic safety.
Avertissement: La substitution de composants peut compromettre la sécurité intrinsèque.
Warning: open circuit before removing cover.
Avertissement: Ouvrir le circuit avant d'enlever le couvercle.
- Ex ia is defined as intrinsically safe / sécurité intrinsèque.
- For entity installation:
Use CSA certified safety barrier or other associated equipment that satisfy the following conditions: $V_{oc} \leq V_{max}$, $I_{sc} \leq I_{max}$, $C_a \geq C_i + C_{cable}$, $L_a \geq L_i + L_{cable}$
Transmitter entity parameters are as follows:

	V_{max} (V)	I_{max} (mA)	C_i (nF)	L_i (µH)
EC 27 Z	14.0	102	0	0
EC 16 Z, EC 17 Z	16.1	100	0	0
EC 37 Z, EC 47 Z	19.2	108	0	0

For system installation
Use CSA certified Racksyst cards

Notes:

Division 2 installation

- Install per Canadian electrical code using threaded metal conduit.
- Warning: Explosion hazard - do not disconnect equipment unless power has been switched off or the area is known to be non-hazardous.
Avertissement: Risque d'explosion - avant de déconnecter l'équipement, couper le courant ou s'assurer que l'emplacement est désigné non dangereux.
Warning: Explosion hazard - substitution of components may impair suitability for Class I, Division 2.
Avertissement: Risque d'explosion - la substitution de composants peut rendre ce matériel inacceptable pour les emplacements de Classe I, Division 2.

- PROBE SELECTION -

Multicap level probes
Types: DC 12 TA-, DC..TA-, DC..TA-, DC..A-
The relation between maximum process fluid temperature, ambient temperature and temperature class is shown below:

Temp. class	Max. process fluid temp.	Max. ambient temp. on the electronic
T6	85 °C	70 °C
T5	100 °C	70 °C
T4	135 °C	70 °C
T3	200 °C	70 °C