

85178
09-2013

SAFETY NOTE
KX

DESCRIPTION

KX pressure transmitters are designed and built in conformity to European standards: EN 60079-0:2009 / EN 60079-11:2012 / EN 60079-26:2007. Protection mode is Ex ia IIC T4/T5/T6 Ga: T6 ambient temperature -40°C...+60°C, T5 ambient temperature -40°C... +70°C and T4 ambient temperature -40°C...+80°C.

ELECTRICAL CHARACTERISTICS

Maximum voltage U_i :	30V
Maximum current I_i :	100mA
Maximum power P_i :	0.75W
Maximum capacity C_i :	15nF
Maximum inductance L_i :	0.25mH
Ambient temperature:	-40...+60°C T6 -40...+70°C T5 -40...+80°C T4

MARKING

0722 II 1 G Ex ia IIC T6/T5/T4 Ga

- 0722 = number of Authority notified for ATEX (CESI) surveillance
- II 1 = group II (surface), category 1
- G = explosive atmosphere with presence of gases, vapors or mists
- Ex ia IIC T6/T5/T4 Ga = protection mode, gas group, temperature class, EPL
- 40°C...+60°C = ambient temperature
- 40°C...+70°C
- 40°C...+80°C

Correspondence between hazardous areas and categories, EPL

Substances		Category Directive 94/9/CE	EPL Equipment
Gases, fumes or mists	Zone 0	1G	Ga
Gases, fumes or mists	Zone 1	2G or 1G	Gb or Ga
Gases, fumes or mists	Zone 2	3G, 2G or 1G	Gc, Gb or Ga

SAFETY INSTRUCTIONS FOR INSTALLATION IN HAZARDOUS AREAS

KX industrial pressure transmitters must be installed and serviced in conformity to systems and maintenance rules for environments classified against the risk of explosion due to the presence of gas (example: EN 60079-14, EN 60079-17 or other national rules/standards).

KX pressure transmitters must be connected to [EX ia] IIC certified devices with the following characteristics: Maximum voltage $U_0 \leq 30$ V; maximum current $I_0 \leq 100$ mA; maximum power $P_0 \leq 0.75$ W; linear source.

MOUNTING INSTRUCTIONS FOR INSTALLATION IN HAZARDOUS AREAS

The specified room temperature must consider the heat generated by the process fluid.

GEFRAN spa reserves the right to make aesthetic or functional changes at any time and without notice