

80534D
07-2021

SAFETY NOTE
KX

DESCRIPTION

KX pressure transmitters are designed and built in conformity to European standards: EN IEC 60079-0:2018 / EN 60079-11:2012 / EN 60079-26:2015. Type of protection is Ex ia IIC T6/T5/T4 Ga, Ex ia IIIC T₂₀₀ 90°C / T₂₀₀ 100°C / T₂₀₀ 110°C Da.

ELECTRICAL CHARACTERISTICS

Maximum voltage Ui:	30V
Maximum current Li:	100mA
Maximum power Pi:	0.75W
Maximum capacity Ci:	15nF
Maximum inductance Li:	0.25mH
Ambient temperature:	-40...+60°C T6 / T ₂₀₀ 90°C -40...+70°C T5 / T ₂₀₀ 100°C -40...+80°C T4 / T ₂₀₀ 110°C

MARKING



0722



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

II 1 D Ex ia IIIC T₂₀₀ 90°C / T₂₀₀ 100°C / T₂₀₀ 110°C Da

0722

II 1

G

D

Ex ia IIC T6 / T5 / T4 Ga

Ex ia IIIC T₂₀₀ 90°C / T₂₀₀ 100°C / T₂₀₀ 110°C Da

-40°C...+60°C

-40°C...+70°C

-40°C...+80°C

= number of Notified Body for ATEX (CESI) surveillance

= group II (surface), category 1

= explosive atmosphere with presence of gases, vapors or mists

= explosive atmosphere with presence of dust

= type of protection, gas/dust group, temperature class / max surface temp,

EPL

= ambient temperature range

Correspondence between hazardous areas and categories, EPL

Substances		Categorie Directive 2014/34/EU	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
Dust	Zone 20	1D	Da
Dust	Zone 21	2D or 1D	Db or Da
Dust	Zone 22	3D, 2D or 1D	Dc, Db or Da

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 (galvanic isolation barriers) with the following characteristics: Maximum voltage U_o ≤ 30 V; maximum current I_o ≤ 100 mA; maximum power P_o ≤ 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