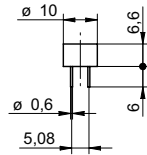


# Inductive sensors NAMUR

IFR 10.82E05

**dimension drawing**



**general data**

mounting type	flush
nominal sensing distance $S_n$	2 mm
approvals/certificates	ATEX 3G

**electrical data**

switching frequency	< 2 kHz
normal operating voltage	8,2 VDC
voltage supply range +Vs	5 ... 30 VDC
current consumption undamped	> 4 mA
current consumption damped	< 1 mA
current consumption max. (no load)	10 mA
output circuit	NAMUR
residual ripple	< 10 % Vs

**mechanical data**

type	cylindrical smooth
housing material	PBT
dimension	10 mm
housing length	6,6 mm
connection types	pins

**ambient conditions**

operating temperature	-25 ... +75 °C
protection class	IP 67

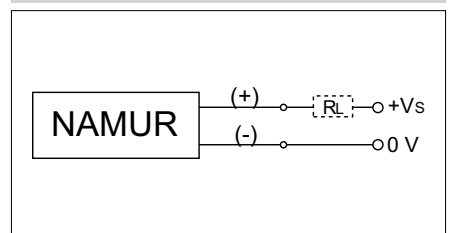
**safe maximum values**

marking	II 3G Ex ic IIC T5 Gc X
current $I_i$	< 20 mA
voltage $U_i$	< 13 VDC
power $P_i$	< 0,065 W
internal capacitance $C_i$	< 100 nF
internal inductance $L_i$	< 0,1 mH
operating temperature $T_a$ (temp. class T5)	-20 ... +60 °C

**photo**



**connection diagram**



• circuit board mountable

**Inductive sensors NAMUR****IFR 10.82E05****Safe maximum values**

Marking	II 3G Ex ic IIC T5 Gc X
Operating temperature Ta (Temp. T5)	-20 ... +60 °C

**Special conditions "X"**

- Device and connection cable must be installed so that they are protected from UV light