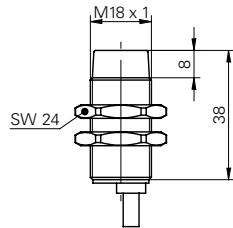


**Inductive sensors NAMUR**

**IFRM 18X9103**

**dimension drawing**



**general data**

mounting type	non-flush
nominal sensing distance Sn	8 mm
approvals/certificates	ATEX 1G

**electrical data**

switching frequency	< 1 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 threaded
housing material	brass nickel plated
dimension	18 mm
housing length	38 mm
connection types	cable, 2 m

**ambient conditions**

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

**safe maximum values**

EC-type-examination Certificate	PTB 03 ATEX 2146
marking	II 1G Ex ia IIC T6 Ga
current Ii	< 37 mA
voltage Ui	< 13,5 VDC
power Pi	< 0,125 W
internal capacitance Ci	< 50 nF
internal inductance Li	< 0,2 mH
operating temperature Ta (temp. class T5)	-20 ... +60 °C
operating temperature Ta (temp. class T6)	-20 ... +40 °C

**photo**



**connection diagram**

