

Overview

- 1,5 mm
- NAMUR
- connector M8
- -25 ... 75 °C
- IP 67



Picture similar



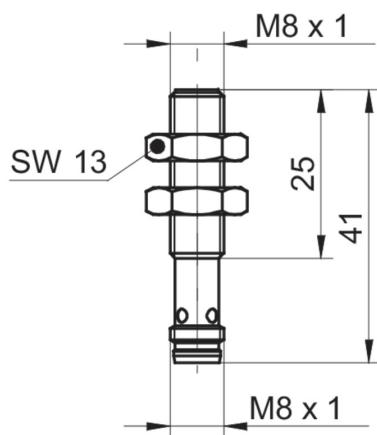
Technical data

General data		Mechanical data	
Mounting type	Flush	Dimension	8 mm
Nominal sensing distance Sn	1,5 mm	Housing length	41 mm
Approvals/certificates	ATEX 1G	Connection types	Connector M8
Electrical data		Safe maximum values	
Switching frequency	< 5 kHz	EC-type-examination Certificate	PTB 03 ATEX 2146
Normal operating voltage	8,2 VDC	Marking	II 1G Ex ia IIC T6 Ga
Voltage supply range +Vs	5 ... 30 VDC	Current Ii	< 37 mA
Current consumption undamped	> 4 mA	Voltage Ui	< 13,5 VDC
Current consumption damped	< 1 mA	Power Pi	< 0,125 W
Current consumption max. (no load)	10 mA	Internal capacitance Ci	< 50 nF
Output circuit	NAMUR	Internal inductance Li	< 0,2 mH
Residual ripple	< 10 % Vs	Operating temperature Ta (temp. class T5)	-20 ... +60 °C
Mechanical data		Operating temperature Ta (temp. class T6)	-20 ... +40 °C
Type	Cylindrical threaded	Ambient conditions	
Housing material	Stainless steel	Operating temperature	-25 ... +75 °C
		Protection class	IP 67

Remarks

- Safety: Sensor cables leading into category 1 hazardous areas must be installed according to the guidelines as specified in EN 60079-26 (IP 67)
- Within category 1 hazardous areas sensor and cable must be securely mounted
- The metal housing has to be conductively connected to the potential equalization system

Dimension drawing



Connection diagram

