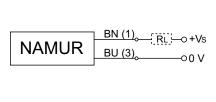
Inductive sensors NAMUR

IFRM 08X9503/S35

dimension drawing		
SW 13	M8 x 1	
general data		photo
mounting type	flush	
nominal sensing distance Sn	1,5 mm	
approvals/certificates	ATEX 1G	
electrical data		
switching frequency	< 5 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	connection diagr
mechanical data		
type	cylindrical threaded	
housing material	stainless steel	
dimension	8 mm	NAMUR
housing length	41 mm	
connection types	connector M8	
ambient conditions		
operating temperature	-25 +75 °C	CE
protection class	IP 67	• Safety: Sensor c
safe maximum values		category 1 hazar installed
EC-type-examination Certificate	PTB 03 ATEX 2146	according to the
marking	II 1G Ex ia IIC T6 Ga	EN 60079-26 (IP
current li	< 37 mA	Within category
voltage Ui	< 13,5 VDC	and cable must
power Pi	< 0,125 W	The metal housi approacted to the
internal capacitance Ci	< 50 nF	connected to the system
internal inductance Li	< 0,2 mH	
operating temperature Ta (temp. class T5)	-20 +60 °C	
operating temperature Ta (temp. class T6)	-20 +40 °C	



Iram



cables leading into ardous areas must be

- e guidelines as specified in P 67)
- y 1 hazardous areas sensor be securely mounted
- ing has to be conductively ne potential equalization