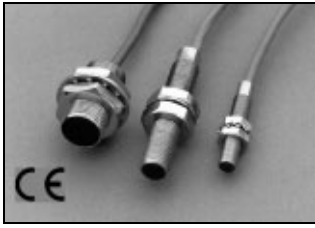


## Inductive

### High Temperature Inductive



#### FEATURES:

- Operates in temperatures up to 120°C / 248°F
- Miniature size
- Shock and vibration resistant according to IEC 68.2.27 & IEC 68.2.6
- Protection degree IP67: dust tight and protection from the effects of immersion
- Protection against reverse polarity

#### DESCRIPTION:

Inductive proximity sensors are used for non-contact detection of metallic objects. Our high temperature, inductive sensors offer high quality and reliability assuring the maximum level of performance.

Models S9.. and S50.. are self-amplified sensors sealed in 5 mm and 8 mm diameter, stainless steel, threaded housing.

Model S685 is a NAMUR, non-amplified, sensor perfect for use in hazardous locations. This model is also sealed in a metallic, 12 mm diameter threaded housing.

The impermeable resin filled casing makes these sensors perfect for use in harsh industrial environments. They are vibration & shock resistant and dust & water tight.

		MODEL		
Output Function	NPN, NO	S919	S500	
	PNP, NO	S920	S501	
	NAMUR			S685
Dimensions: mm 1 mm = .03937"				
<b>Operating Distance</b>		<b>0.8 mm</b>	<b>1 mm</b>	<b>2 mm</b>
External Diameter		M 5 x 0.5	M 8 x 1	M 12 x 1
Power Supply		10-30 VDC		8 VDC *
Power Drain		< 5 mA		—
Voltage Drop (max)		< 3 V		—
Switching Current (max)		50 mA		—
Current With Actuator		—		< 1.1 mA
Current Without Actuator		—		> 2.2 mA
Operating Frequency		3 kHz max	2 kHz max	
Case		Stainless Steel		Nickel-Plated Brass
Flush Mounting		Yes		
Protection Degree		IP 67		
<b>Operating Temperature</b>		<b>- 25 to +120°C / -13 to 248°F</b>		
Output Connection		Cable: Silicone, 22 AWG, L=2 m		

\* Series resistance 1kΩ

#### WIRING:

