

Inductive

## High Temperature Proximity Sensors



**FEATURES:**

- Operates in temperatures up to 120°C / 248°F
- Short circuit & reverse polarity protection on NPN & PNP versions
- Increase Current Switching Current on NPN & PNP versions
- CE & RoHS compliant.
- Miniature size
- Shock and vibration resistant
- Protection degree IP67: dust tight and protection from the effects of immersion

**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.

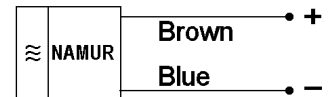
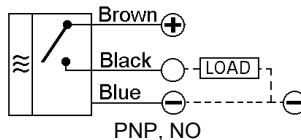
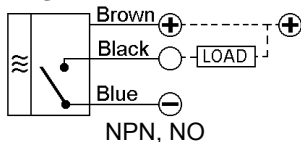
The 5 mm and 8 mm diameter models are self-amplified and sealed in a stainless steel threaded housing.

The NAMUR, non-amplified, model is perfect for use in hazardous locations. This model is 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	S3860	S3862	
	PNP, NO	S3861	S3863	
	NAMUR			S3864
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		6-30 VDC		8.2 VDC
Switching Current (max)		150 mA	200 mA	—
Power Drain (@ 24Vdc)		< 10 mA	< 12 mA	—
Voltage Drop (max)		< 1.4 V	< 1.8 V	—
Current With Actuator		—	—	≤ 1 mA
Current Without Actuator		—	—	≥ 3 mA
Short Circuit Protection		Yes		—
Operating Frequency		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:3x0.094mm <sup>2</sup> SALGUM, L=2m	Cable:3x0.25mm <sup>2</sup> SALGUM, L=2m	Cable:2x0.25mm <sup>2</sup> SALGUM, L=2m

**WIRING:**



See: Sensor Power Supplies for NAMUR amplifiers. These sensors are not intended for safety applications