

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:

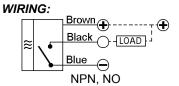
Inductive proximity sensors are used for non-contact detection of metallic objects. Our high temperature, inductive sensors offer high quality and reliability assuring the maximum level of performance.

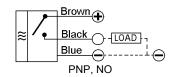
The 5 mm and 8 mm diameter models are self-amplified and sealed in a stainless steel threaded housing.

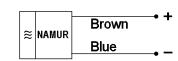
The NAMUR, non-amplified, model is perfect for use in hazardous locations. This model is sealed in a metallic, 12 mm diameter threaded housing.

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"		73 M5 × 0.5 78 78	M8 x 1	M12x1
Operating Distance		0.8 mm	1.5 mm	2 mm
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	1
Voltage Drop (max)		< 1.4 V	< 1.8 V	
Current With Actuator		-		≤ 1 mA
Current Without Actuator		-		≥ 3 mA
Short Circuit Protection		Yes		1
Operating Frequency		2 kHz max		-
Case		Stainless Steel		Nickel-Plated Brass
Flush Mounting		Yes		
Protection Degree		IP 67		
Operating Temperature		- 25 to +120℃ / -13 to 248℉		
Output Connection		Cable:3x0.094mm ² SALGUM, L=2m	Cable:3x0.25mm ² SALGUM, L=2m	Cable:2x0.25mm ² SALGUM, L=2m







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

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