

Inductive

18 mm Diameter DC 3/4 Wire

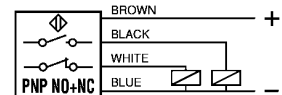
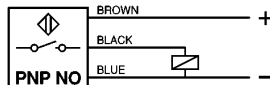
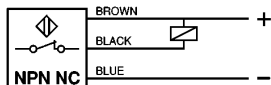
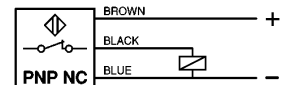
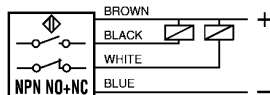
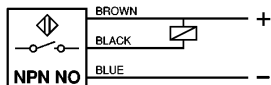
FEATURES:

- Short circuit & reverse polarity protection
- Protection degree IP67: dust tight and protection from the effects of immersion
- LED function indicator
- +100° C high temperature version available upon request
- 3.5, 5, 7.5 and 10 meter cable lengths available upon request

		MODEL			
Output Function	NPN, NO	S3460	S3464	S3070	S3074
	NPN, NC	S3461	S3465	S3071	S3075
	PNP, NO	S3462	S3466	S3072	S3076
	PNP, NC	S3463	S3467	S3073	S3077
	NPN, NO+NC	S3600	S3602	S3078	S3080
	PNP, NO+NC	S3601	S3603	S3079	S3081
Dimensions: mm 1 mm = .03937"					
Operating Distance (Sn)		5 mm	8 mm	5 mm	8 mm
External Diameter		M18 x 1			
Power Supply		10 - 30 Vdc			
Max Switching Current		200 mA			
Power Drain (24Vdc)		< 15 mA			
Voltage Drop (sensor ON)		< 1.8 V			
Short Circuit Protection		Yes			
Operating Frequency		1 kHz			
Repeatability (%Sn)		≤ 3%			
Hysteresis (%Sn)		< 10%			
Case		Nickel-plated brass			
Flush Mounting		Yes	No	Yes	No
Protection Degree		IP 67			
Operating Temperature		- 25 to +70 °C *			
Output Connection		Cable PVC: L = 2 m		Connector C	

* +100° C high temperature version available upon request

WIRING:



18 mm Diameter DC 3/4 Wire “Short Series”

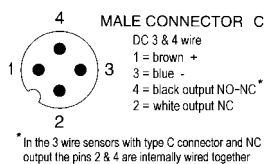
FEATURES:

- Extended operating distance
- Stainless steel case
- Short circuit & reverse polarity protection
- Protection degree IP67: dust tight and protection from the effects of immersion
- +100° c high temperature version available upon request
- 3.5, 5, 7.5 and 10 meter cable lengths available upon request

		MODEL			
Output Function	NPN, NO	S3090		S3094	
	NPN, NC	S3091		S3095	
	PNP, NO	S3092		S3096	
	PNP, NC	S3093		S3097	
	NPN, NO+NC	S3091S	S3670A	S3095S	S3674A
	PNP, NO+NC	S3093S	S3672A	S3097S	S3676A
Dimensions: mm 1 mm = .03937"					
Operating Distance (Sn)		8 mm	16 mm	8 mm	16 mm
External Diameter		M18 x 1			
Power Supply		10 - 30 Vdc			
Max Switching Current		200 mA			
Power Drain (24Vdc)		< 15 mA			
Voltage Drop (sensor ON)		< 1.8 V			
Short Circuit Protection		Yes			
Operating Frequency		400 kHz	200 Hz	400 kHz	200 Hz
Repeatability (%Sn)		≤ 3%			
Hysteresis (%Sn)		< 10%			
Case		Stainless Steel			
Flush Mounting		Yes	No	Yes	No
Protection Degree		IP 67			
Operating Temperature		- 25 to +70 °C *			
Output Connection		Cable PVC: L = 2 m		Connector C	

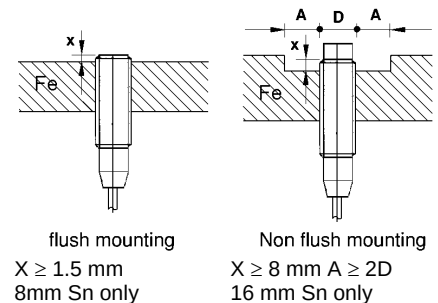
* +100° C high temperature version available upon request

CONNECTOR:



MATING CONNECTORS:

ID#	Type	Description
3 wire		
S3494	C	right angle w/ 2 meter cable
S3495	C	right angle w/ 5 meter cable
S3497	C	straight w/ 2 meter cable
S3498	C	straight w/ 5 meter cable
4 wire		
S3496/2 C		right angle w/ 2 meter cable
S3496	C	right angle w/ 5 meter cable
S3499/2 C		straight w/ 2 meter cable
S3499	C	straight w/ 5 meter cable



Inductive

18 mm Diameter DC 2 Wire

FEATURES:

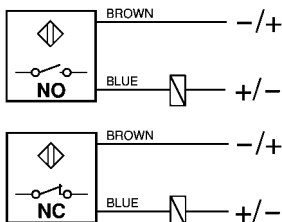
- Only 2 wires for easy installation
- Short circuit protection
- Protection degree IP67: dust tight and protection from the effects of immersion
- LED function indicator
- +100° C high temperature version available upon request
- 3.5, 5, 7.5 and 10 meter cable lengths available upon request

		MODEL			
Output Function	NO	S3100	S3101	S3102	S3103
	NC	S3104	S3105	S3106	S3107
Dimensions: mm 1 mm = .03937"					
Operating Distance (Sn)		5 mm	8 mm	5 mm	8 mm
External Diameter		M18 x 1			
Power Supply		10 - 55 Vdc			
Max Switching Current		100 mA			
Min Switching Current		1.5 mA			
Residual Current		< 0.6 mA			
Voltage Drop (sensor ON)		< 6.5 V			
Short Circuit Protection		Yes			
Operating Frequency		1 kHz			
Repeatability (%Sn)		≤ 3%			
Hysteresis (%Sn)		< 10%			
Case		Nickel-plated brass			
Flush Mounting		Yes	No	Yes	No
Protection Degree		IP 67			
Operating Temperature		- 25 to +70 °C *			
Output Connection		Cable PVC: L = 2 m		Connector C	

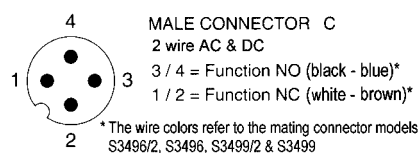
* +100° C high temperature version available upon request

These sensors contain an output amplifier with the function NO or NC that can pilot a load connected in series. In this system a residual current flows through the load even when in the open state and a voltage drop occurs to the sensor when it is in the closed state. Attention must be paid to these restrictions when selecting relays or electronic controls to be used with these sensors. They are adapted for inputs of programmable controllers.

WIRING:



CONNECTOR:



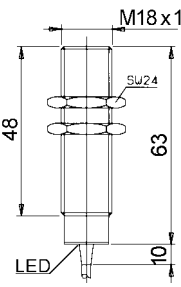
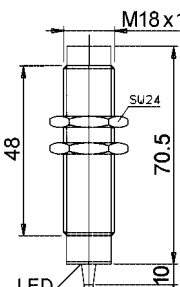
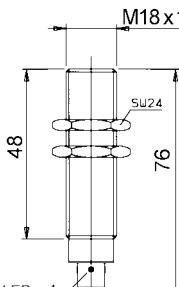
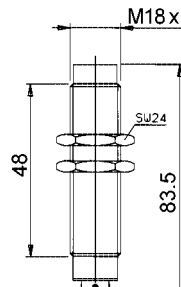
MATING CONNECTORS:

ID#	Type	Description
S3496/2	C	right angle w/ 2 meter cable
S3496	C	right angle w/ 5 meter cable
S3499/2	C	straight w/ 2 meter cable
S3499	C	straight w/ 5 meter cable
030502	C	right angle, terminal screws field wire-able
030503	C	straight, terminal screws Field wire-able

18 mm Diameter AC 2 Wire

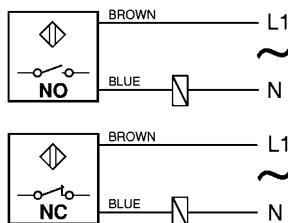
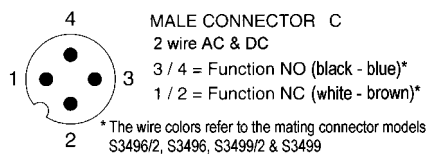
FEATURES:

- Protection degree IP67: dust tight and protection from the effects of immersion
- LED function indicator
- +100° C high temperature version available upon request
- 3.5, 5, 7.5 and 10 meter cable lengths available upon request

		MODEL			
Output Function	NO	S3284	S3286	S3296 I	S3298
	NC	S3285	S3287	S3297	S3299
Dimensions: mm 1 mm = .03937"					
					
Operating Distance (Sn)		5 mm	8 mm	5 mm	8 mm
External Diameter		M18 x 1			
Power Supply		20 - 250 Vac			
Max Switching Current		300 mA			
Min Switching Current		5 mA			
Max Peak Current for 20ms		1.5 A			
Residual Current		< 1 mA			
Voltage Drop		< 6 V			
Operating Frequency		12 Hz			
Repeatability (%Sn)		≤ 3%			
Hysteresis (%Sn)		< 10%			
Case		Nickel-plated brass			
Flush Mounting		Yes	No	Yes	No
Protection Degree		IP 67			
Operating Temperature		- 25 to +70 °C *			
Output Connection		Cable PVC: L = 2 m		Connector C	

* +100° C high temperature version available upon request

These are two-wire sensors that contain a thyristor output amplifier in addition to the oscillator. Attention must be paid to the minimum switching current, residual current and voltage drop when selecting low consumption relays or high impedance electronic controls to be used with these sensors. They are adapted for inputs of programmable controllers.

WIRING:

CONNECTOR:

MATING CONNECTORS:

ID#	Type	Description
S3496/2	C	right angle w/ 2 meter cable
S3496	C	right angle w/ 5 meter cable
S3499/2	C	straight w/ 2 meter cable
S3499	C	straight w/ 5 meter cable
030502	C	right angle, terminal screws field wire-able
030503	C	straight, terminal screws field wire-able