

30 mm Diameter DC 3/4 Wire

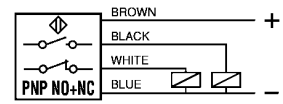
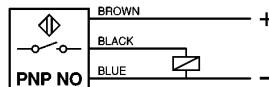
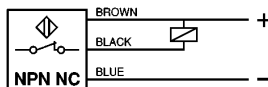
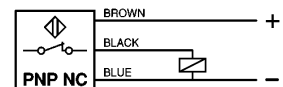
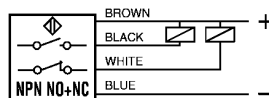
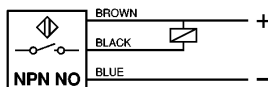
FEATURES:

- 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
- 5 and 10 meter cable lengths available upon request

		MODEL			
Output Function	NPN, NO	S3470	S3474	S3110	S3114
	NPN, NC	S3471	S3475	S3111	S3115
	PNP, NO	S3472	S3476	S3112	S3116
	PNP, NC	S3473	S3477	S3113	S3117
	NPN, NO+NC	S3690	S3693	S3118	S3120
	PNP, NO+NC	S3691	S3694	S3119	S3121
Dimensions: mm 1 mm = .03937"					
CE					
Operating Distance (Sn)		10 mm	15 mm	10 mm	15 mm
External Diameter		M30 x 1.5			
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		300 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

WIRING:



Inductive

30 mm Diameter DC 3/4 Wire "Short Series"

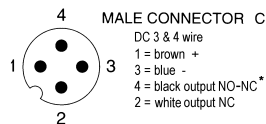
FEATURES:

- Extended operating distance
- 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
- 5 and 10 meter cable lengths available upon request

		MODEL			
Output Function	NPN, NO	S3130		S3134	
	NPN, NC	S3131		S3135	
	PNP, NO	S3132		S3136	
	PNP, NC	S3133		S3137	
	NPN, NO+NC		S3680A		S3684A
	PNP, NO+NC		S3682A		S3686A
Dimensions: mm 1 mm = .03937"					
CE					
Operating Distance (Sn)		15 mm	20 mm	15 mm	20 mm
External Diameter		M30 x 1.5			
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		300 Hz	200 Hz	300 Hz	200 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

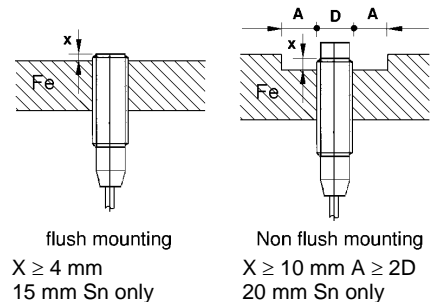
CONNECTOR:



* In the 3 wire sensors with type C connector and NC output the pins 2 & 4 are internally wired together

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



30 mm Diameter DC 2 Wire

FEATURES:

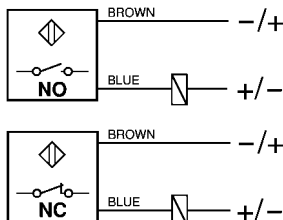
- Only 2 wires for easy installation
- Short circuit protection
- Protection degree IP67: dust tight and protection from the effects of immersion
- LED function indicator
- +100° C high temperature version available upon request
- 5 and 10 meter cable lengths available upon request

		MODEL			
Output Function	NO	S3140	S3141	S3142	S3143
	NC	S3144	S3145	S3146	S3147
Dimensions: mm 1 mm = .03937"					
Operating Distance (Sn)		10 mm	15 mm	10 mm	15 mm
External Diameter		M30 x 1.5			
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		300 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	

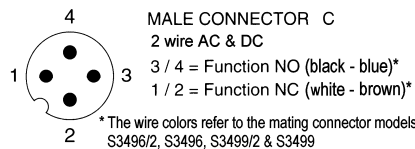
* +100° C high temperature version available upon request

These 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	

Inductive

30 mm Diameter AC 2 Wire

FEATURES:

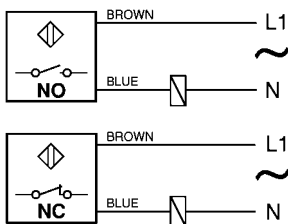
- Protection degree IP67: dust tight and protection from the effects of immersion
- LED function indicator
- +100° C high temperature version available upon request
- 5 and 10 meter cable lengths available upon request

		MODEL			
Output Function	NO	S3288	S3290	S3300	S3302
	NC	S3289	S3291	S3301	S3303
Dimensions: mm 1 mm = .03937"					
CE					
Operating Distance (Sn)		10 mm	15 mm	10 mm	15 mm
External Diameter		M30 x 1.5			
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	

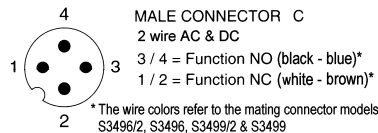
* +100° C high temperature version available upon request

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