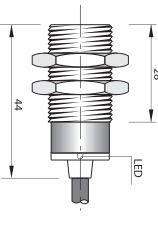
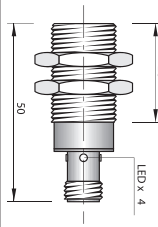
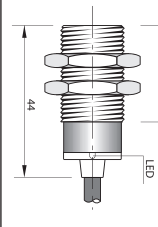
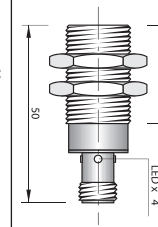
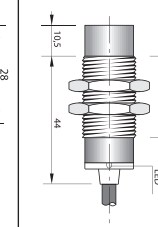
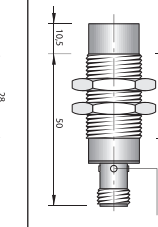


- YLINDRICAL SHORT HOUSING S SERIES - 3/4 WIRES D.C. - VERSION-C
- PROGRAMMABLE NO/NC OUTPUT



- STANDARD SWITCHING DISTANCE ▲ EMBEDDABLE (FLUSH MOUNTING)
- ★ EXTENDED SWITCHING DISTANCE ● NOT EMBEDDABLE (NON FLUSH MOUNTING)

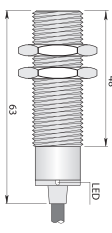
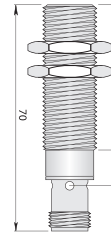
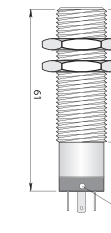
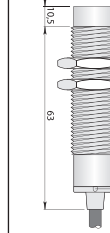
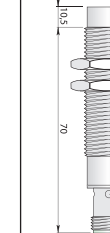
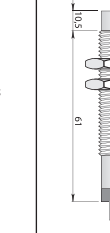
M18 x 1

TECHNICAL CHARACTERISTICS			Dimension (mm.)					
								
			■▲	■▲	★▲	★▲	★●	★●
AMPLIFIED 3 WIRES D.C.	NPN	NO	SI18SM - C5 NPN NO S I18000503	SI18SM - C5 NPN NO H S I18000506	SI18SS - DC8 NPN NO S I18000519	SI18SS - DC8 NPN NO H S I18000522		
		NC	SI18SM - C5 NPN NC S I18000511	SI18SM - C5 NPN NC H S I18000514	SI18SS - DC8 NPN NC S I18000527	SI18SS - DC8 NPN NC H S I18000530		
	PNP	NO	SI18SM - C5 PNP NO S I18000507	SI18SM - C5 PNP NO H S I18000510	SI18SS - DC8 PNP NO S I18000523	SI18SS - DC8 PNP NO H S I18000526		
		NC	SI18SM - C5 PNP NC S I18000515	SI18SM - C5 PNP NC H S I18000518	SI18SS - DC8 PNP NC S I18000531	SI18SS - DC8 PNP NC H S I18000534		
AMPLIFIED 4 WIRES D.C. ANTIPHASE	NPN	NO+NC			SI18SS - DC8 NPN NO + NC S I18000551	SI18SS - DC8 NPN NO + NC H S I18000554	SI18SS - DCE16 NPN NO + NC S I18000559	SI18SS - DCE16 NPN NO + NC H S I18000562
	PNP	NO+NC			SI18SS - DC8 PNP NO + NC S I18000555	SI18SS - DC8 PNP NO + NC H S I18000558	SI18SS - DCE16 PNP NO + NC S I18000563	SI18SS - DCE16 PNP NO + NC H S I18000566
Switching distance Sn		mm	5	5	8	8	16	16
Continuous voltage (residual ripple ≤10%)		V	10 - 30					
Hysteresis		% Sn	< 10					
Switching frequency		Hz	1000		400		200	
Repeatability		% Sn	≤ 3					
Max output current		mA	200					
Absorption at 24Vdc		mA	< 15					
Voltage drop (sensor ON)		V	< 1.8					
Short circuit protection			Incorporated					
Led			Incorporated					
Temperature limits		°C	-25 to +70					
IP rating		IP	67	Depending on connector	67	Depending on connector	67	Depending on connector
Housing			Nickelled brass			Stainless steel		
PVC Cable		2m	3 x 0.35 mm ²	-	3 x 0.25 mm ² - 4 x 0.25 mm ²	-	4 x 0.25 mm ²	-
Connector plug			-	H (M12)	-	H (M12)	-	H (M12)
Wiring diagrams			Version N					



- CYLINDRICAL LONG HOUSING - 3/4 WIRES D.C. - VERSION-C
- RADIATED, RADIO-FREQUENCY ELECTROMAGNETIC FIELD IMMUNITY TEST: 20 V/m

- STANDARD SWITCHING DISTANCE ▲ EMBEDDABLE (FLUSH MOUNTING)
★ EXTENDED SWITCHING DISTANCE ● NOT EMBEDDABLE (NON FLUSH MOUNTING)

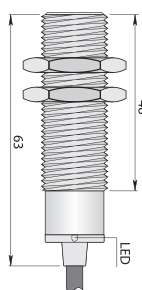
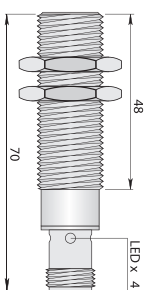
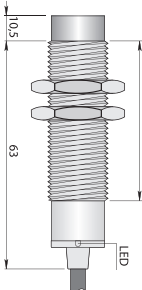
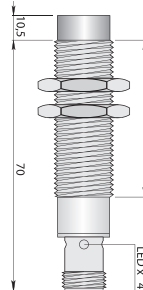
M18 x 1																																						
TECHNICAL CHARACTERISTICS																																						
																																						
AMPLIFIED 3 WIRES D.C.			NPN	NO	SI18 - C5 NPN NO I18000036		SI18 - C5 NPN NO H I18000037		SI18 - C5 NPN NO K I18000039		SI18 - CE8 NPN NO I18000077		SI18 - CE8 NPN NO H I18000078		SI18 - CE8 NPN NO K I18000080																							
				NC	SI18 - C5 NPN NC I18000029		SI18 - C5 NPN NC H I18000030		SI18 - C5 NPN NC K I18000032		SI18 - CE8 NPN NC I18000070		SI18 - CE8 NPN NC H I18000071		SI18 - CE8 NPN NC K I18000073																							
			PNP	NO	SI18 - C5 PNP NO I18000056		SI18 - C5 PNP NO H I18000057		SI18 - C5 PNP NO K I18000059		SI18 - CE8 PNP NO I18000097		SI18 - CE8 PNP NO H I18000098		SI18 - CE8 PNP NO K I18000100																							
				NC	SI18 - C5 PNP NC I18000049		SI18 - C5 PNP NC H I18000050		SI18 - C5 PNP NC K I18000052		SI18 - CE8 PNP NC I18000090		SI18 - CE8 PNP NC H I18000091		SI18 - CE8 PNP NC K I18000093																							
AMPLIFIED 4 WIRES D.C. ANTIPHASE			NPN	NO+NC	SI18 - C5 NPN NO + NC I18000043		SI18 - C5 NPN NO + NC H I18000044		SI18 - C5 NPN NO + NC K I18000046		SI18 - CE8 NPN NO + NC I18000084		SI18 - CE8 NPN NO + NC H I18000085		SI18 - CE8 NPN NO + NC K I18000087																							
			PNP	NO+NC	SI18 - C5 PNP NO + NC I18000064		SI18 - C5 PNP NO + NC H I18000065		SI18 - C5 PNP NO + NC K I18000067		SI18 - CE8 PNP NO + NC I18000104		SI18 - CE8 PNP NO + NC H I18000105		SI18 - CE8 PNP NO + NC K I18000107																							
Switching distance Sn				mm	5		5		5		8		8		8																							
Continuous voltage (residual ripple ≤10%)				V	10 - 30																																	
Hysteresis				% Sn	< 10																																	
Switching frequency				Hz	1000																																	
Repeatability				% Sn	≤ 3																																	
Max output current				mA	200																																	
Absorption at 24Vdc				mA	< 15																																	
Voltage drop (sensor ON)				V	< 1.8																																	
Short circuit protection				Incorporated																																		
Led				Incorporated																																		
Temperature limits				°C	-25 to +85																																	
IP rating				IP	67		Depending on connector		65		67		Depending on connector		65																							
Housing				Nickelled brass																																		
PVC Cable				2m	3 x 0.25 mm² - 4 x 0.25 mm²		-		-		3 x 0.25 mm² - 4 x 0.25 mm²		-		-																							
Connector plug				-		H (M12)		K (mod. 11)		-		H (M12)		K (mod. 11)																								
Wiring diagrams				Version N																																		

- CYLINDRICAL LONG HOUSING EXTENDED SWITCHING DISTANCE - 3 WIRES D.C. - VERSION-C
- RADIATED, RADIO-FREQUENCY ELECTROMAGNETIC FIELD IMMUNITY TEST: 20 V/m



- STANDARD SWITCHING DISTANCE
- ▲ EMBEDDABLE (FLUSH MOUNTING)
- ★ EXTENDED SWITCHING DISTANCE
- NOT EMBEDDABLE (NON FLUSH MOUNTING)

M18 x 1

TECHNICAL CHARACTERISTICS			Dimension (mm.)			
						
			★ ▲	★ ▲	★ ●	★ ●
AMPLIFIED 3 WIRES D.C.	NPN	NO	SI18 - DC8 NPN NO I18000453	SI18- DC8 NPN NO H I18000400	SI18 - DCE16 NPN NO I18000465	SI18 - DCE16 NPN NO H I18000473
		NC	SI18 - DC8 NPN NC I18000449	SI18 - DC8 NPN NC H I18000452	I18 - DCE16 NPN NC I18000461	SI18 - DCE16 NPN NC H I18000464
	PNP	NO	SI18 - DC8 PNP NO I18000431	SI18 - DC8 PNP NO H I18000399	SI18 - DCE16 PNP NO I18000475	SI18 - DCE16 PNP NO H I18000476
		NC	SI18 - DC8 PNP NC I18000396	SI18 - DC8 PNP NC H I18000458	SI18 - DCE16 PNP NC I18000474	SI18 - DCE16 PNP NC H I18000470
Switching distance Sn		mm	8	8	16	16
Continuous voltage (residual ripple ≤10%)		V	10 - 30			
Hysteresis		% Sn	< 10			
Switching frequency		Hz	400		200	
Repeatability		% Sn	≤ 3			
Max output current		mA	200			
Absorption at 24Vdc		mA	< 15			
Voltage drop (sensor ON)		V	< 1.8			
Short circuit protection			Incorporated			
Led			Incorporated			
Temperature limits		°C	-25 to +85			
IP rating		IP	67			
Housing			Nickelled brass			
PVC Cable		2m	3 x 0.25 mm ²	-	3 x 0.25 mm ²	-
Connector plug			-	H (M12)	-	H (M12)
Wiring diagrams			Version N			



- CYLINDRICAL LONG HOUSING - 2 WIRES D.C. - VERSION-B
- PROGRAMMABLE NO/NC OUTPUT

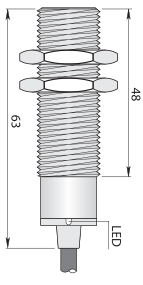
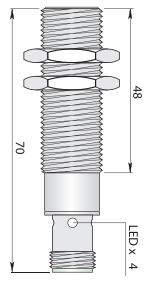
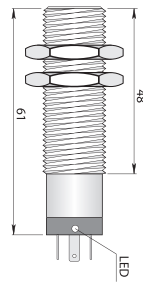
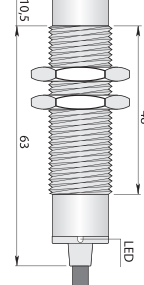
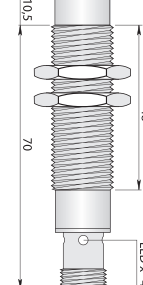
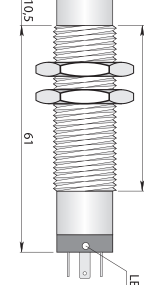
- STANDARD SWITCHING DISTANCE ▲ EMBEDDABLE (FLUSH MOUNTING)
★ EXTENDED SWITCHING DISTANCE ● NOT EMBEDDABLE (NON FLUSH MOUNTING)

M18 x 1							
TECHNICAL CHARACTERISTICS Dimension (mm.)							
		■▲	■▲	■▲	■●	■●	■●
AMPLIFIED 2 WIRES D.C.	NO/NC	SI18SM - B5 NO/NC I18000637	SI18SM - B5 NO/NC H I18000640	SI18SM - B5 NO/NC K I18000655	SI18SM - BE8 NO/NC I18000641	SI18SM - BE8 NO/NC H I18000644	SI18SM - BE8 NO/NC K I18000656
Switching distance Sn	mm	5	5	5	8	8	8
Continuous voltage (residual ripple ≤10%)	VDC	10 - 55					
Hysteresis	% Sn	< 10					
Switching frequency	Hz	1000					
Repeatability	% Sn	≤ 3					
Max output current	mA	100					
Min output current	mA	1.5					
Residual current	mA	< 0.6					
Voltage drop (sensor ON)	V	< 6.5					
Short circuit protection		Incorporated					
Led		Incorporated					
Temperature limits	°C	-25 to +70					
IP rating	IP	67	Depending on connector	65	67	Depending on connector	65
Housing		Nickelled brass					
PVC Cable	2m	2 x 0.50 mm ²	-	-	2 x 0.50 mm ²	-	-
Connector plug		-	H (M12)	K (mod. 11)	-	H (M12)	K (mod. 11)
Wiring diagrams		Version N					

● CYLINDRICAL LONG HOUSING - 2 WIRES A.C. - VERSION-A



- STANDARD SWITCHING DISTANCE ▲ EMBEDDABLE (FLUSH MOUNTING)
★ EXTENDED SWITCHING DISTANCE ● NOT EMBEDDABLE (NON FLUSH MOUNTING)

M18 x 1							
TECHNICAL CHARACTERISTICS		Dimension (mm.)					
							
		■ ▲	■ ▲	■ ▲	■ ●	■ ●	■ ●
AMPLIFIED 2 WIRES A.C.	NO	SI18 - A5 NO I18000006	SI18 - A5 NO H I18000004	SI18 - A5 NO K I18000005	SI18 - AE8 NO I18000012	SI18 - AE8 NO H I18000010	SI18 - AE8 NO K I18000011
	NC	SI18 - A5 NC I18000003	SI18 - A5 NC H I18000001	SI18 - A5 NC K I18000002	SI18 - AE8 NC I18000009	SI18 - AE8 NC H I18000007	SI18 - AE8 NC K I18000008
Switching distance Sn	mm	5	5	5	8	8	8
Alternating voltage 50 ÷ 60 Hz	V	20 - 250					
Hysteresis	% Sn	< 10					
Switching frequency	Hz	12					
Repeatability	% Sn	≤ 3					
Max output current	mA	300					
Min output current	mA	5					
Max. peak current for 20ms	A	1.5					
Residual current	mA	< 1					
Voltage drop (sensor ON)	V	< 6					
Led		Incorporated					
Temperature limits	°C	-25 to +70					
IP rating	IP	67	Depending on connector	65	67	Depending on connector	65
Housing		Nickelled brass					
PVC Cable	2m	2 x 0.50 mm ²	-	-	2 x 0.50 mm ²	-	-
Connector plug		-	H (M12)	K (mod. 11)	-	H (M12)	K (mod. 11)
Wiring diagrams		Version N					