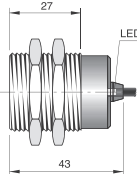
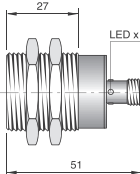
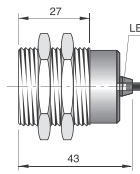
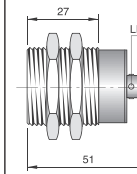
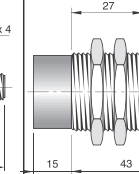
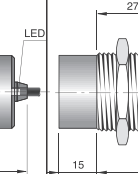


● CYLINDRICAL SHORT HOUSING S SERIES - 3/4 WIRES D.C. - VERSION-C

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



M30 x 1.5																
TECHNICAL CHARACTERISTICS																
			■▲		■▲		★▲		★▲		★●		★●			
Dimension (mm.)																
AMPLIFIED 3 WIRES D.C.			NPN	NO	SI30SM - C10 NPN NO S I30000414		SI30SM - C10 NPN NO H S I30000417		SI30SM - DC15 NPN NO S I30000446		SI30SM - DC15 NPN NO H S I30000449					
				NC	SI30SM - C10 NPN NC S I30000422		SI30SM - C10 NPN NC H S I30000425		SI30SM - DC15 NPN NC S I30000454		SI30SM - DC15 NPN NC H S I30000457					
			PNP	NO	SI30SM - C10 PNP NO S I30000418		SI30SM - C10 PNP NO H S I30000421		SI30SM - DC15 PNP NO S I30000450		SI30SM - DC15 PNP NO H S I30000453					
				NC	SI30SM - C10 PNP NC S I30000426		SI30SM - C10 PNP NC H S I30000429		SI30SM - DC15 PNP NC S I30000458		SI30SM - DC15 PNP NC H S I30000461					
AMPLIFIED 4 WIRES D.C. ANTIPHASE			NPN	NO+NC					SI30SM - DC15 NPN NO + NC S I30000478		SI30SM - DC15 NPN NO + NC H S I30000481		SI30SM - DCE20 NPN NO + NC S I30000486		SI30SM - DCE20 NPN NO + NC H S I30000489	
			PNP	NO+NC					SI30SM - DC15 PNP NO + NC S I30000482		SI30SM - DC15 PNP NO + NC H S I30000485		SI30SM - DCE20 PNP NO + NC S I30000490		SI30SM - DCE20 PNP NO + NC H S I30000493	
Switching distance Sn			mm		10		10		15		15		20		20	
Continuous voltage (residual ripple ≤10%)			V	10 - 30												
Hysteresis			% Sn	< 10												
Switching frequency			Hz	300										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 stell								
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



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

M30 x 1.5

TECHNICAL CHARACTERISTICS			Dimension (mm.)					
			■▲	■▲	■▲	■●	■●	■●
AMPLIFIED 3 WIRES D.C.	NPN	NO	SI30 - C10 NPN NO I30000032	SI30 - C10 NPN NO H I30000034	SI30 - C10 NPN NO K I30000036	SI30 - CE15 NPN NO I30000069	SI30 - CE15 NPN NO H I30000070	SI30 - CE15 NPN NO K I30000072
		NC	SI30 - C10 NPN NC I30000026	SI30 - C10 NPN NC H I30000027	SI30 - C10 NPN NC K I30000029	SI30 - CE15 NPN NC I30000063	SI30 - CE15 NPN NC H I30000064	SI30 - CE15 NPN NC K I30000066
	PNP	NO	SI30 - C10 PNP NO I30000051	SI30 - C10 PNP NO H I30000052	SI30 - C10 PNP NO K I30000054	SI30 - CE15 PNP NO I30000087	SI30 - CE15 PNP NO H I30000088	SI30 - CE15 PNP NO K I30000090
		NC	SI30 - C10 PNP NC I30000045	SI30 - C10 PNP NC H I30000046	SI30 - C10 PNP NC K I30000048	SI30 - CE15 PNP NC I30000081	SI30 - CE15 PNP NC H I30000082	SI30 - CE15 PNP NC K I30000084
AMPLIFIED 4 WIRES D.C. ANTIPHASE	NPN	NO+NC	SI30 - C10 NPN NO + NC I30000039	SI30 - C10 NPN NO + NC H I30000040	SI30 - C10 NPN NO + NC K I30000042	SI30 - CE15 NPN NO + NC I30000075	SI30 - CE15 NPN NO + NC H I30000076	SI30 - CE15 NPN NO + NC K I30000078
	PNP	NO+NC	SI30 - C10 PNP NO + NC I30000057	SI30 - C10 PNP NO + NC H I30000058	SI30 - C10 PNP NO + NC K I30000060	SI30 - CE15 PNP NO + NC I30000093	SI30 - CE15 PNP NO + NC H I30000094	SI30 - CE15 PNP NO + NC K I30000096
Switching distance Sn	mm		10	10	10	15	15	15
Continuous voltage (residual ripple ≤10%)	V		10 - 30					
Hysteresis	% Sn		< 10					
Switching frequency	Hz		300					
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	65	67	Depending on connector	65
Housing			Nickelled brass					
PVC Cable	2m		3 x 0.35 mm ² - 4 x 0.25 mm ²	-	-	3 x 0.35 mm ² - 4 x 0.25 mm ²	-	-
Connector plug			-	H (M12)	K (mod. 12)	-	H (M12)	K (mod. 12)
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)

M30 x 1.5							
TECHNICAL CHARACTERISTICS Dimension (mm.)							
		■▲	■▲	■▲	■●	■●	■●
AMPLIFIED 2 WIRES D.C.	NO/NC	SI30SM - B10 NO/NC I30000511	SI30SM - B10 NO/NC H I30000514	SI30SM - B10 NO/NC K I30000530	SI30SM - BE15 NO/NC I30000515	SI30SM - BE15 NO/NC H I30000518	SI30SM - BE15 NO/NC K I30000531
Switching distance Sn	mm	10	10	10	15	15	15
Continuous voltage (residual ripple ≤10%)	V	10 - 55					
Hysteresis	% Sn	< 10					
Switching frequency	Hz	300					
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					
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. 12)	-	H (M12)	K (mod. 12)
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)

M30 x 1.5

TECHNICAL CHARACTERISTICS		Dimension (mm.)					
AMPLIFIED 2 WIRES A.C.	NO	SI30 - A10 NO I30000006	SI30 - A10 NO H I30000004	SI30 - A10 NO K I30000005	SI30 - AE15 NO I30000013	SI30 - AE15 NO H I30000010	SI30 - AE15 NO K I30000011
	NC	SI30 - A10 NC I30000003	SI30 - A10 NC H I30000001	SI30 - A10 NC K I30000002	SI30 - AE15 NC I30000009	SI30 - AE15 NC H I30000007	SI30 - AE15 NC K I30000008
Switching distance Sn	mm	10	10	10	15	15	15
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. 12)	-	H (M12)	K (mod. 12)
Wiring diagrams		Version N					