

Formato

Cilindrico						
Ø 8	Ø 12	Ø 18	Ø 30	Ø 12	Ø 18	Ø 30
Rango estandar				Rango incrementado		



Tipo de montaje	
Dimensiones (Frente x Alto x Fondo) en mm	
Envolvente	
Distancia de sensado Sn (mm)	
Conexión	Cableado Conector Conector remoto
Alimentación	≡ 3-cables ≈ 2-cables
Referencia	
Página	

Rasante				No rasante		
M8 x 50	M12 x 50	M18 x 60	M30 x 60	M12 x 55	M18 x 60	M30 x 62.5
Níquel				Níquel		
2.5	4	8	15	7	12	22
●	●	●	●	●		
●	●	●	●	●		
–	–	–	–	–		
●	● (1)	● (1)	● (1)	●		
–	● (1)	● (1)	● (1)	●		
XS6 08B1	XS6 12 B1/B1M	XS6 18 B1/B1M	XS6 30 B1/B1M	XS6 12 B4 ▲	XS6 18 B4 ▲	XS6 30 B4 ▲
1	1			1		

Formato E	Formato C	Formato D
Osiconcept	Osiconcept	Osiconcept

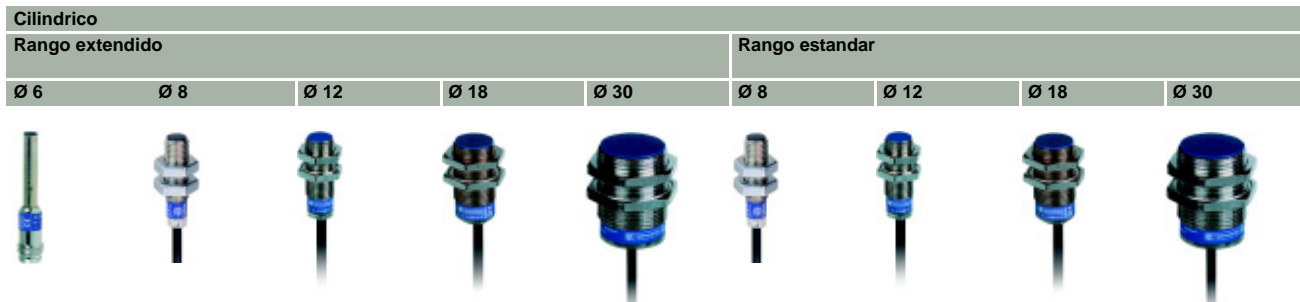


Montaje rasante y no rasante		
26 x 26 x 13	40 x 40 x 15	80 x 80 x 26
Plastico, PBT		
15	25	60
•		
•		
•		
•		
•		
XS8 E	XS8 C	XS8 D
2		

Envolvente	Plano				
	Formato J	Formato F	Formato E	Formato C	Formato D



Tipo de montaje	Enrasable				
Dimensiones (Ancho x Alto x Fondo) en mm	8 x 22 x 8	15 x 32 x 8	26 x 26 x 13	40 x 40 x 15	80 x 80 x 26
Envolvente	Plastico, PBT			Plastico, PBT	
Distancia de sensado Sn (mm)	2.5	5	10	15	40
Conección	Cableada				
	Conector				
	Conector Remoto				
Alimentación	≡ 3-cables				
	≡ 2-cables				
Referencia	XS7 J	XS7 F	XS7 E	XS7 C	XS7 D
Página	3	3	3	3	



Rasante					Rasante			
M8 x 33	M8 x 33	M12 x 33	M18 x 36,5	M30 x 40.6	M8 x 33	M12 x 33	M18 x 36.5	M30 x 40.6
Niquel					Niquel			
2.5	2.5	4	10	20	1.5	2	5	10
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
-	-	-	-	-	-	-	-	-
•	•	•	•	•	•	•	•	•
-	-	-	-	-	•	•	•	•
XS1 L06●●349●	XS1 N08●●349●	XS1 N08●●349●	XS1 N08●●349●	XS1 N08●●349●	XS5 08B1●	XS5 12B1●	XS5 18B1●	XS5 30B1●
4					4			

Proximity sensors

Inductive proximity sensors

Osiprox® Technology

Application series: sensors for specific tasks	Plastic case sensors	Basic sensors	Miniature sensors
Developed in accordance with the needs expressed by our customers, these sensors provide a complete solution for specific application functions: rotation monitoring, selective detection, analogue control, etc.	Food and beverage processing, chemical industry, marine sector	Standard machines, clean environment	Assembly machines for small parts



Form	Cylindrical	Threaded: M8, M12, M18, M30	Plain: Ø 6.5 Threaded: M8, M12, M18, M30	Plain: Ø 4, Ø 6.5 Threaded: M5
Block, dimensions (w x h x d) in mm		-	-	-
Case		Plastic	Nickel plated brass or plastic (1)	Brass or stainless steel (1)
Sensing distance Sn (mm)	Flush mountable in metal sensors	-	1.5...10 (1)	1...2.5 (1)
	Non flush mountable in metal sensors	2.5... 15 (1)	4...15 (1)	2.5
Degree of protection		IP 67 or IP 68	IP 67	IP 67
Connection	Pre-cabled	●	●	●
	Connector	-	●	-
	Remote connector	●	-	-
Supply		●	●	●
		●	●	-
		-	-	-
Type reference		XS4 P	XS1●●BL● XS2 ●●BL●	XS1 L XS1 N XS2 L
Page(s)		37322/2	37325/2 37326/2	37310/2

(1) Depending on model.

Proximity sensors

Inductive proximity sensors

Osiprox® Technology

Multivoltage sensors with short-circuit protection	Sensors with 2 complementary outputs	
	Solid-state outputs NO + NC	Solid-state outputs PNP + NPN, NO/NC programmable
Simple machines or installations not having a low voltage DC supply	Assembly machines, conveyor systems, materials handling, robotics	



Threaded: M12, M18, M30	Plain: Ø 6.5 Threaded: M8, M12, M18, M30	Threaded: M12, M18, M30
–	–	–
Nickel plated brass	Nickel plated brass or stainless steel or plastic (1)	Nickel plated brass or plastic (1)
2...10	1.5...10	2...10
4...15	2.5...15	4...15
IP 67 or IP 68 (1)		
•	•	•
•	•	•
–	–	–
•	•	•
–	–	•
•	–	–
XS1 M XS2 M	XS1●●●●C410 XS2●●●●C410 XS4●●●●C410	XS1 M●●KP340 XS2 M●●KP340
37323/2	37321/2	37324/2

(1) Depending on model.

Proximity sensors

Inductive proximity sensors

Osiprox® Application

Application series: sensors for specific tasks

Developed in accordance with the needs expressed by our customers, these sensors provide a complete solution for specific application functions: rotation monitoring, selective detection, analogue control, etc.

Osiprox Application

Osiconcept Application	Sensors for rotation monitoring	Sensors with analogue output
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Detection of passage of objects for machine tools, conveyor systems

Detection of underspeed, shaft overload and slowing down of conveyor belts

Position, displacement and deformation control/monitoring



Form	Cylindrical	Flush mountable Threaded: M12 (L = 54), M18 (L = 67), M30 (L = 71)	Threaded: M30	–	Threaded: M12, M18, M30	–
Block, dimensions (w x h x d) in mm		–	–	26 x 26 x 13 40 x 40 x 15	–	32 x 15 x 8 26 x 26 x 13 40 x 40 x 15 80 x 80 x 26
Case		Nickel plated brass	Metal, cylindrical	PBT block	Metal or plastic, cylindrical	PBT block
Sensing distance (Sn) in mm	Flush mountable in metal sensors	5...18 (1)	10	10...15 (1)	0.2...10 (1)	5...40 (1)
	Non flush mountable in metal sensors	–	10	10...15 (1)	0.4...60 (1)	5...40 (1)
Degree of protection		–	IP 67	IP 67	IP 67	IP 67 or IP 68 (1)
Supply	III	●	●	●	●	●
	~	–	–	–	–	●
	⌋	–	●	●	–	–
Connection	Pre-cabled	–	●	–	●	●
	Connector	–	–	●	–	●
	Remote connector	●	–	–	–	–
Type reference		XS6 12B2 XS6 18 B2 XS6 30 B2	XSA V	XS9 ●11R	XS1/2/4 ●●●AB1	XS9 ●●●●A
Page(s)		37301/2	31142/3	37314/3	37320/3	37311/3, 37312/3

(1) Depending on model.

Proximity sensors

Inductive proximity sensors

Osiprox® Application

Detection of metal objects: inductive sensors							
Factor 1 (Fe/Nfe) sensors	Selective sensors	Sensors for assembly applications			Sensors for welding machine applications	Sensors for food and beverage processing applications	
		Form G	Form C	Form cubic 40		Cylindrical, stainless steel	Cylindrical, plastic
Detection of ferrous and non ferrous materials without variation of sensing distance	Selective detection of ferrous materials only or non ferrous materials only	Applications for assembly machines, conveyor and materials handling systems			Detection applications on welding machines	Detection of stainless steel and ferrous materials in food/beverage processing and pharmaceutical environments	



Threaded: M18, M30		Threaded: M18	–	–	–	Threaded: M12, M18, M30	Plain: Ø 18 Threaded: M12, M18, M30	Threaded: M12, M18, M30
40 x 117 x 41		–	12 x 40 x 26	40 x 117 x 41	40 x 40 x 40	–	–	–
Metal, cylindrical, or plastic, form C, turret head		Metal, cylindrical, form A	Plastic			Metal, cylindrical, threaded, Teflon coated	Stainless steel, grade 316 L	Plastic, PPS
5, 10 or 15 (1)		5, 6 or 10 (1)	2	15 to 20	15	2...10 (1)	–	–
–		–	4	20 to 40	20	4	7...22 (1)	7...22 (1)
IP 67 or IP 68 (1)		IP 67 or IP 68 (1)	IP 67			IP 67	IP 67 (connector version) IP 68 (pre-cabled version) IP 69K conforming to DIN 40050	
•		•	•	•	•	•	•	•
–		–	•	•	•	–	–	• (1)
–		–	•	•	•	–	–	–
•		•	•	•	•	–	•	•
•		•	•	•	•	•	•	•
•		–	•	•	•	–	–	–
XS1 M	XS7 C40	XS1 M18PA	XS7 G XS8 G	XS7 C XS8 C	XS7 T XS8 T	XS● M	XS2 ●●SA	XS2 ●●AA
37319/2	31145/2	31153/2	31147/2	31134/4	31138/2	31154/2	37327/2 and 37328/2	37329/2 and 37330/2

(1) Depending on model.