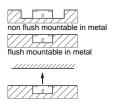
The Essential Guide to Sensor Selection



Osiprox Inductive Proximity Sensors





A single product that adapts to all metal environments









Accurate position detection via teach mode.

teach mode.	Osi concept"	Osi concept"	Osi concept"	Osi concept"
	Type E (26 x 26)	Type C (40 x 40)	Type D (80 x 80)	Ø 12
Nominal Sensing Distance Sn	15 mm	25 mm	60 mm	5 mm
Usable sensing dist. S (mm) sheilded/non-sheilded	010 / 015	015 / 025	040 / 060	03.4 / 05
Precision adjustment range (mm) shielded/non-shielded	510 / 515	815 / 825	2040 / 2060	1.73.4 / 1.75
Mounting in metal		shielded or non-shielded	via Osiconcept teach mode	•
Enclosure M (metal) P (plastic)	P	P	Р	M
Temperature range °F (°C)	- 13158 (- 2570)	- 13158 (- 2570)	- 13158 (- 2570)	- 13158 (- 2570)
Degree of protection (conforming to IEC 60 529)		pre-cabled: IP68 (v	vith connector: IP67)	•
Sensors for DC applications == (3-wire)				

	• •	,				
Connection:	pre-cabled PvR	(2 m) <u></u> —				
Dimensions (mm	n) Ø x L or H x W x I	L	26 x 26 x 13	40 x 40 x 15	80 x 80 x 26	M12 x 54
	PNP	NO	XS8E1A1PAL2	XS8C1A1PAL2	XS8D1A1PAL2	-
3-wire	PNP	NC	XS8E1A1PBL2	XS8C1A1PBL2	XS8D1A1PBL2	_
3-WIIE	NPN	NO	XS8E1A1NAL2	XS8C1A1NAL2	XS8D1A1NAL2	-
	NPN	NC	XS8E1A1NBL2	XS8C1A1NBL2	XS8D1A1NBL2	_
Connection:	M8 or M12 conn	ector ——)—	Snap-C*compatible			

Connection: M8 or	M12 connecto	or ——)—	Snap	o-C° compatible
	PNP	NO		XS8E1A1PAM8

3-wire	PNP	NC	XS8E1A1PBM8	XS8C1A1PBM8	XS8D1A1PBM12	XS612B2PBL01M12 (2
NPN	NPN	NO	XS8E1A1NAM8	XS8C1A1NAM8	XS8D1A1NAM12	XS612B2NAL01M12 (2
	NPN	NC	XS8E1A1NBM8	XS8C1A1NBM8	XS8D1A1NBM12	XS612B2NBL01M12 (2
Supply voltage	Supply voltage limits min/max (V) including ripple		1036	1036	1036	1036
Switching capa	Switching capacity, max (mA)		100	200	200	200
Short-circuit pro	Short-circuit protection (♦)		+	•	+	•
LED output stat	LED output state indication (★) and power on LED (★)		* /★	x /*	x / *	* / *
Voltage drop, closed state (V) at I nominal		≤ 2	≤ 2	≤2	≤ 2	
Switching frequ	iency (Hz)		1000	1000	100	1000
			•			-

Sensors for AC or DC applications \sim / = (2-wire)

Connecti	ion: pre-cabled PvR (2 m	n) 				
Dimension	s (mm) Ø x L or H x W x L		26 x 26 x 13	40 x 40 x 15	80 x 80 x 26	-
2-wire	AC/DC without	NO	XS8E1A1MAL2	XS8C1A1MAL2	XS8D1A1MAL2	_
2-WII6	short-circuit protection (1) NC	NC	XS8E1A1MBL2	XS8C1A1MBL2	XS8D1A1MBL2	-
Connecti	ion: 1/2" 20 UNF connec	tor ————————————————————————————————————				

•••••		— J				
2-wire	AC/DC without	NO	XS8E1A1MAL01U20	XS8C1A1MAL01U20	XS8D1A1MAU20	-
2-wile	short-circuit protection (1) NC	NC	XS8E1A1MBL01U20	XS8C1A1MBL01U20	XS8D1A1MBU20	-
Supply vol	Itage limits min/max (V) includ	ing ripple on DC	20264	20264	20264	-
Switching	capacity, max (mA)		200	260	260	-
LED outpu	ut state indication (*) and power	er on LED (★)	*/★	*/★	x / *	-
Residual o	current, open state (mA)		≤ 1.5	≤ 1.5	≤ 1.5	-
Voltage dr	op, closed state (V) at I nomin	al	≤ 5.5	≤ 5.5	≤ 5.5	-
Switching	frequency (Hz) AC / DC		50 / 1000	50 / 1000	50 / 1000	-
			(4) 11 ' 0	A A sould bless for a large star with	the Lead	•

Accessories

For flat sensors, forms E, C	and D				
			straight	90°	Adaptor plate for block type sensors XSE / XSC / XSD
		Type E	XSZBE00	XSZBE90	XSZBE10
		Type C	XSZBC00	XSZBC90	XSZBC10
\smile		Type D	XSZBD00	_	XSZBD10

Mounting bracket with indexing pin for cylindrical sensors	



M8	XSZB108
M12	XSZB112
M18	XSZB118
M30	XSZB130









M8 x 50

XS608B1PAL2

XS608B1PBL2

XS608B1NAL2

XS608B1NBL2





M18 x 60

XS618B1PAL2

XS618B1PBL2

XS618B1NAL2

XS618B1NBL2



XS630B1PAL2 XS630B1PBL2

XS630B1NAL2

XS630B1NBL2

XS630B1PBM12 XS630B1NAM12 XS630B1NBM12 10...36 300

> ≤2 500

Osi concept°	Osi concept°
Ø 18	Ø 30
10 mm	18 mm
07 / 010	012 / 018
3.5 7 / 3.510	612 / 618
shielded or non-shielded v	ia Osiconcept teach mode
М	M
- 13158 (- 2570)	- 13158 (- 2570)

pre-cabled: IP68 (with connector: IP67)

18	
18	
node	
70)	

Ø 8	Ø 12	Ø 18	Ø 30
2.5 mm	4 mm	8 mm	15 mm
02	03.2	06.4	012
_	_	_	_
shielded	shielded	shielded	shielded
М	M	М	M
- 13176 (- 2570)	- 13176 (- 2570)	- 13176 (- 2570)	- 13176 (- 2570)
	11 1 ID00 /	::I : IDOT\	

ore-cabled: IP68	(with connector:	IP67)
------------------	------------------	-------

M18 x 67	M30 x 71
_	_
_	_
_	_
_	-

XS618B2PAL01M12 (2)	XS630B2PAL01M12 (2)
XS618B2PBL01M12 (2)	XS630B2PBL01M12 (2)
XS618B2NAL01M12 (2)	XS630B2NAL01M12 (2)
XS618B2NBL01M12 (2)	XS630B2NBL01M12 (2)
1036	1036
200	200
*	•
* / *	* /*
≤ 2	≤ 2
1000	1000

-	-
-	_
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
_	-

XS608B1PAM12	XS612B1PAM12	XS618B1PAM12	
XS608B1PBM12	XS612B1PBM12	XS618B1PBM12	T
XS608B1NAM12	XS612B1NAM12	XS618B1NAM12	T
XS608B1NBM12	XS612B1NBM12	XS618B1NBM12	
1036	1036	1036	T
100	200	300	
*	•	*	
* /-	x /-	x /-	T
≤ 2	≤ 2	≤2	T
2500	2500	1000	

XS612B1PAL2

XS612B1PBL2

XS612B1NAL2

XS612B1NBL2

-	M12 x 50	M18 x 60	M30 x 60
_	XS612B1MAL2	XS618B1MAL2	XS630B1MAL2
-	XS612B1MBL2	XS618B1MBL2	XS630B1MBL2
=	XS612B1MAU20	XS618B1MAU20	XS630B1MAU20
-	XS612B1MBU20	XS618B1MBU20	XS630B1MBU20
-	20264	20264	20264
_	200	200	200
-	* /-	* /-	*/-
_	≤ 1.5	≤ 1.5	≤ 1.5
-	≤ 5.5	≤ 5.5	≤ 5.5
_	25 / 4000	25 / 3000	25 / 3000

⁽²⁾ Pigtail cable (L = 0.15 m) with end mounted remote control and M12 connector

For Osiconcept XS6 remote control XSZBPM12

Plug-in female co	nnectors, including pre-wire	ed versions				
length 5 m w/o LED	elbo	wed		straight		Snap-C
M8	XSZCS112		XSZC	S101		_
M12	XSZCD112Y		XSZC	D102Y	XSCC12	FDM40V
U20	XSZCA111Y		XSZC	A101Y		-