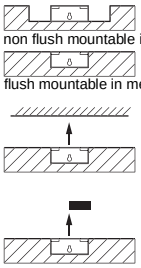
Osiprox *Inductive Proximity Sensors*



Osiconcept®
Offering simplicity through innovation

A single product that adapts to all metal environments

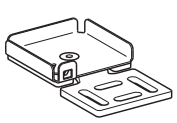
Accurate position detection via teach mode.

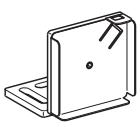
			Type E (26 x 26)	Type C (40 x 40)	Type D (80 x 80)	Ø 12
Nominal Sensing Distance Sn			15 mm	25 mm	60 mm	5 mm
Usable sensing dist. S (mm) sheilded/non-sheilded			0…10 / 0...15	0…15 / 0...25	0…40 / 0...60	0…3.4 / 0...5
Precision adjustment range (mm) shielded/non-shielded			5...10 / 5...15	8...15 / 8...25	20...40 / 20...60	1.7...3.4 / 1.7...5
Mounting in metal			shielded or non-shielded via **Osi**concept teach mode			
Enclosure M (metal) P (plastic)			P	P	P	M
Temperature range °F (°C)			- 13...158 (- 25…70)	- 13...158 (- 25…70)	- 13...158 (- 25…70)	- 13...158 (- 25…70)
Degree of protection (conforming to IEC 60 529)			pre-cabled: IP68 (with connector: IP67)			
Sensors for DC applications ⎓ (3-wire)						
Connection: pre-cabled PvR (2 m)						
Dimensions (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	M12 x 54
3-wire	PNP	NO	**XS8E1A1PAL2**	**XS8C1A1PAL2**	**XS8D1A1PAL2**	–
	PNP	NC	**XS8E1A1PBL2**	**XS8C1A1PBL2**	**XS8D1A1PBL2**	–
	NPN	NO	**XS8E1A1NAL2**	**XS8C1A1NAL2**	**XS8D1A1NAL2**	–
	NPN	NC	**XS8E1A1NBL2**	**XS8C1A1NBL2**	**XS8D1A1NBL2**	–
Connection: M8 or M12 connector Snap-C compatible						
3-wire	PNP	NO	**XS8E1A1PAM8**	**XS8C1A1PAM8**	**XS8D1A1PAM12**	**XS612B2PAL01M12** (2)
	PNP	NC	**XS8E1A1PBM8**	**XS8C1A1PBM8**	**XS8D1A1PBM12**	**XS612B2PBL01M12** (2)
	NPN	NO	**XS8E1A1NAM8**	**XS8C1A1NAM8**	**XS8D1A1NAM12**	**XS612B2NAL01M12** (2)
	NPN	NC	**XS8E1A1NBM8**	**XS8C1A1NBM8**	**XS8D1A1NBM12**	**XS612B2NBL01M12** (2)
Supply voltage limits min/max (V) including ripple			10…36	10…36	10…36	10…36
Switching capacity, max (mA)			100	200	200	200
Short-circuit protection (◆)			◆	◆	◆	◆
LED output state indication (✖) and power on LED (★)			✖/ ★	✖/ ★	✖/ ★	✖/ ★
Voltage drop, closed state (V) at I nominal			≤ 2	≤ 2	≤ 2	≤ 2
Switching frequency (Hz)			1000	1000	100	1000
Sensors for AC or DC applications ∿ / ⎓ (2-wire)						
Connection: pre-cabled PvR (2 m)						
Dimensions (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 short-circuit protection (1)	NO	**XS8E1A1MAL2**	**XS8C1A1MAL2**	**XS8D1A1MAL2**	–
		NC	**XS8E1A1MBL2**	**XS8C1A1MBL2**	**XS8D1A1MBL2**	–
Connection: 1/2" 20 UNF connector						
2-wire	AC/DC without short-circuit protection (1)	NO	**XS8E1A1MAL01U20**	**XS8C1A1MAL01U20**	**XS8D1A1MAU20**	–
		NC	**XS8E1A1MBL01U20**	**XS8C1A1MBL01U20**	**XS8D1A1MBU20**	–
Supply voltage limits min/max (V) including ripple on DC			20…264	20…264	20…264	–
Switching capacity, max (mA)			200	260	260	–
LED output state indication (✖) and power on LED (★)			✖/ ★	✖/ ★	✖/ ★	–
Residual current, open state (mA)			≤ 1.5	≤ 1.5	≤ 1.5	–
Voltage drop, closed state (V) at I nominal			≤ 5.5	≤ 5.5	≤ 5.5	–
Switching frequency (Hz) AC / DC			50 / 1000	50 / 1000	50 / 1000	–

(1) It is necessary to place a 0.8 A quick-blow fuse in series with the load.

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**
Type D	**XSZBD00**	–	**XSZBD10**

Mounting bracket with indexing pin for cylindrical sensors

M8	**XSZB108**
M12	**XSZB112**
M18	**XSZB118**
M30	**XSZB130**

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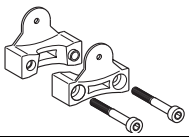
Ø 18	Ø 30	Ø 8	Ø 12	Ø 18	Ø 30
10 mm	18 mm	2.5 mm	4 mm	8 mm	15 mm
0…7 / 0...10	0…12 / 0...18	0…2	0…3.2	0…6.4	0…12
3.5 ... 7 / 3.5...10	6...12 / 6...18	–	–	–	–
shielded or non-shielded via **Osi**concept teach mode		shielded	shielded	shielded	shielded
M	M	M	M	M	M
- 13...158 (- 25…70)	- 13...158 (- 25…70)	- 13...176 (- 25…70)	- 13...176 (- 25…70)	- 13...176 (- 25…70)	- 13...176 (- 25…70)
pre-cabled: IP68 (with connector: IP67)		pre-cabled: IP68 (with connector: IP67)			
M18 x 67	M30 x 71	M8 x 50	M12 x 50	M18 x 60	M30 x 60
–	–	**XS608B1PAL2**	**XS612B1PAL2**	**XS618B1PAL2**	**XS630B1PAL2**
–	–	**XS608B1PBL2**	**XS612B1PBL2**	**XS618B1PBL2**	**XS630B1PBL2**
–	–	**XS608B1NAL2**	**XS612B1NAL2**	**XS618B1NAL2**	**XS630B1NAL2**
–	–	**XS608B1NBL2**	**XS612B1NBL2**	**XS618B1NBL2**	**XS630B1NBL2**
XS618B2PAL01M12 (2)	**XS630B2PAL01M12** (2)	**XS608B1PAM12**	**XS612B1PAM12**	**XS618B1PAM12**	**XS630B1PAM12**
XS618B2PBL01M12 (2)	**XS630B2PBL01M12** (2)	**XS608B1PBM12**	**XS612B1PBM12**	**XS618B1PBM12**	**XS630B1PBM12**
XS618B2NAL01M12 (2)	**XS630B2NAL01M12** (2)	**XS608B1NAM12**	**XS612B1NAM12**	**XS618B1NAM12**	**XS630B1NAM12**
XS618B2NBL01M12 (2)	**XS630B2NBL01M12** (2)	**XS608B1NBM12**	**XS612B1NBM12**	**XS618B1NBM12**	**XS630B1NBM12**
10…36	10…36	10…36	10…36	10…36	10…36
200	200	100	200	300	300
◆	◆	◆	◆	◆	◆
✖/ ★	✖/ ★	✖/ –	✖/ –	✖/ –	✖/ –
≤ 2	≤ 2	≤ 2	≤ 2	≤ 2	≤ 2
1000	1000	2500	2500	1000	500
–	–	–	M12 x 50	M18 x 60	M30 x 60
–	–	–	**XS612B1MAL2**	**XS618B1MAL2**	**XS630B1MAL2**
–	–	–	**XS612B1MBL2**	**XS618B1MBL2**	**XS630B1MBL2**
–	–	–	**XS612B1MAU20**	**XS618B1MAU20**	**XS630B1MAU20**
–	–	–	**XS612B1MBU20**	**XS618B1MBU20**	**XS630B1MBU20**
–	–	–	20…264	20…264	20…264
–	–	–	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 connectors, including pre-wired versions

length 5 m w/o LED	 elbowed	 straight	 Snap-C
M8	**XSZCS112**	**XSZCS101**	–
M12	**XSZCD112Y**	**XSZCD102Y**	**XSCC12FDM40V**
U20	**XSZCA111Y**	**XSZCA101Y**	–