

**Osiconcept**  
Offering simplicity through innovation

**Innovation through intelligence**

A simple press on the button automatically configures the sensor and provides optimal performance irrespective of the installation method (flush, non flush).

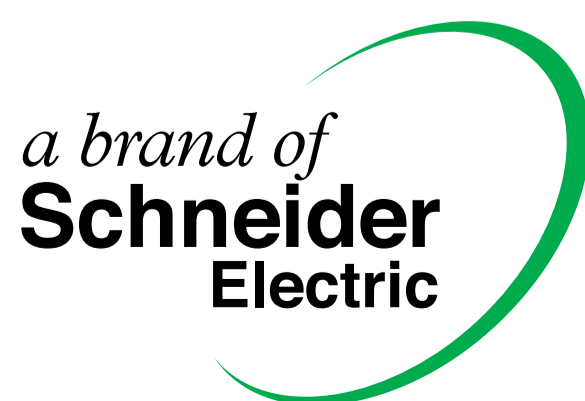


“ a single product that automatically adapts to all installation environments ”



Welcome to the Telemecanique **Simply Smart** world

With Osiconcept®, the intelligent self-teaching of the metal environment makes selection and setting-up easier and integration in the machine is improved due to the compactness of the flat design.



Flush mountable	Non flush mountable								
Suitability for flush mounting in metal									
Nominal sensing distance Sn (mm)	Flush and non flush mountable								
Case material									
Dimensions (mm) W x H x D or Ø x L									
Connection									
Supply voltage	<table border="0"> <tr> <td>3-wire d.c.</td> <td>PNP NO function (4)</td> </tr> <tr> <td>2-wire a.c./d.c. without short-circuit protection</td> <td>NPN NO function (4)</td> </tr> <tr> <td></td> <td>NO function</td> </tr> <tr> <td></td> <td>NC function</td> </tr> </table>	3-wire d.c.	PNP NO function (4)	2-wire a.c./d.c. without short-circuit protection	NPN NO function (4)		NO function		NC function
3-wire d.c.	PNP NO function (4)								
2-wire a.c./d.c. without short-circuit protection	NPN NO function (4)								
	NO function								
	NC function								

Flush mountable									
Suitability for flush mounting in metal									
Nominal sensing distance Sn (mm)	Flush mountable								
Case material									
Dimensions (mm) W x H x D or Ø x L									
Connection									
Supply voltage	<table border="0"> <tr> <td>3-wire</td> <td>PNP NO function (4)</td> </tr> <tr> <td>2-wire non polarised</td> <td>NPN NO function (4)</td> </tr> <tr> <td></td> <td>NO function</td> </tr> <tr> <td></td> <td>NC function</td> </tr> </table>	3-wire	PNP NO function (4)	2-wire non polarised	NPN NO function (4)		NO function		NC function
3-wire	PNP NO function (4)								
2-wire non polarised	NPN NO function (4)								
	NO function								
	NC function								

Composition of reference

⚠ Under no circumstances must the referencing grid be used to compose a reference

Range:	8 = Universal Osiconcept® flat, 6 = Universal cylindrical, 7 = Optimum flat, 5 = Optimum cylindrical
Material:	A = plastic, B = metal
Output:	A = NO, B = NC
Connection:	L2 = pre-cabled, length 2 m M12 = M12 connector M8 = M8 connector U20 = 1/2" UNF
Output:	P = PNP, N = NPN, M = a.c./d.c.
Form:	J, F, E, C, D, M8, M12, M18, M30

**XS8E1A1PAL2**

# Osiprox, inductive proximity sensors

## Universal Osiconcept®

Form E	Form C	Form D	M12	M18	M30	M8	M12	M18	M30
flush or non flush mountable via Osiconcept® teach mode			flush or non flush mountable via Osiconcept® teach mode			flush mountable	flush mountable	flush mountable	flush mountable
10 15	15 25	40 60	3.4 5	6 9	11 18	2.5	4	8	15
plastic	plastic	plastic	metal	metal	metal	metal	metal	metal	metal
26 x 26 x 13	40 x 40 x 15	80 x 80 x 26	M12 x 54	M18 x 67	M30 x 71	M8 x 50	M12 x 50	M18 x 60	M30 x 60
pre-cabled / connector (1) L = 2 m	pre-cabled / connector (1) L = 2 m	pre-cabled / connector (2) L = 2 m	M12 connector on flying lead	M12 connector on flying lead	M12 connector on flying lead	pre-cabled / connector (2) L = 2 m	pre-cabled / connector (2) L = 2 m	pre-cabled / connector (2) L = 2 m	pre-cabled / connector (2) L = 2 m
XS8E1A1PAL2 / M8	XS8C1A1PAL2 / M8	XS8D1A1PAL2 / M12	XS612B2PAL01M12	XS618B2PAL01M12	XS630B2PAL01M12	XS608B1PAL2 / M12	XS612B1PAL2 / M12	XS618B1PAL2 / M12	XS630B1PAL2 / M12
XS8E1A1NAL2 / M8	XS8C1A1NAL2 / M8	XS8D1A1NAL2 / M12	XS612B2NAL01M12	XS618B2NAL01M12	XS630B2NAL01M12	XS608B1NAL2 / M12	XS612B1NAL2 / M12	XS618B1NAL2 / M12	XS630B1NAL2 / M12
XS8E1A1MAL2 / L01U20	XS8C1A1MAL2 / L01U20	XS8D1A1MAL2 / U20	-	-	-	-	XS612B1MAL2 / U20	XS618B1MAL2 / U20	XS630B1MAL2 / U20
XS8E1A1MBL2 / L01U20	XS8C1A1MBL2 / L01U20	XS8D1A1MBL2 / U20	-	-	-	-	XS612B1MBL2 / U20	XS618B1MBL2 / U20	XS630B1MBL2 / U20

## Optimum

Form J	Form F	Form E	Form C	Form D	M8	M12	M18	M30
flush mountable	flush mountable	flush mountable	flush mountable	flush mountable	flush mountable	flush mountable	flush mountable	flush mountable
2.5	5	10	15	40	1.5	2	5	10
plastic	plastic	plastic	plastic	plastic	metal	metal	metal	metal
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	M8 x 33 / M8 x 50	M12 x 33 / M12 x 50	M18 x 36.5 / M18 x 52.5	M30 x 40.6 / M30 x 50
pre-cabled / M8 connector L = 2 m on flying lead (3)	pre-cabled / M8 connector L = 2 m on flying lead (3)	pre-cabled / connector (2) L = 2 m	pre-cabled / connector (2) L = 2 m	pre-cabled / connector (2) L = 2 m	pre-cabled / connector (2) L = 2 m	pre-cabled / connector (2) L = 2 m	pre-cabled / connector (2) L = 2 m	pre-cabled / connector (2) L = 2 m
XS7J1A1PAL2 / L01M8	XS7F1A1PAL2 / L01M8	XS7E1A1PAL2 / M8	XS7C1A1PAL2 / M8	XS7D1A1PAL2 / M12	XS508B1PAL2 / M8	XS512B1PAL2 / M12	XS518B1PAL2 / M12	XS530B1PAL2 / M12
XS7J1A1NAL2 / L01M8	XS7F1A1NAL2 / L01M8	XS7E1A1NAL2 / M8	XS7C1A1NAL2 / M8	XS7D1A1NAL2 / M12	XS508B1NAL2 / M8	XS512B1NAL2 / M12	XS518B1NAL2 / M12	XS530B1NAL2 / M12
XS7J1A1DAL2 / L01M8	XS7F1A1DAL2 / L01M8	XS7E1A1DAL2 / M8	XS7C1A1DAL2 / M8	XS7D1A1DAL2 / M12	XS508B1DAL2 / M12	XS512B1DAL2 / M12	XS518B1DAL2 / M12	XS530B1DAL2 / M12
XS7J1A1DBL2 / L01M8	XS7F1A1DBL2 / L01M8	XS7E1A1DBL2 / M8	XS7C1A1DBL2 / M8	XS7D1A1DBL2 / M12	XS508B1DBL2 / M12	XS512B1DBL2 / M12	XS518B1DBL2 / M12	XS530B1DBL2 / M12

(1) For M8 or 1/2" 20 UNF connector, replace "L2" by "M8" or "L01U20" respectively  
Example: XS8E1A1PAL2 becomes XS8E1A1PAM8 or XS8E1A1MAL2 becomes XS8E1A1MAL01U20

(2) For M8, M12 or U20 connector, replace "L2" by "M8", "M12" or "U20" respectively  
Example: XS7E1A1PAL2 becomes XS7E1A1PAM8, XS8D1A1PAL2 becomes XS8D1A1PAM12 or XS8D1A1MAL2 becomes XS8D1A1MAU20

(3) For M8 connector on flying lead, replace "L2" by "L01M8". Example: XS7J1A1PAL2 becomes XS7J1A1PAL01M8

(4) For NC versions, replace "A" by "B". Example: XS8E1A1PAL2 becomes XS8E1A1PBL2

## Accessories (to be ordered separately)

Fixings	For flat sensors forms J, F, E, C and D	With indexing pin for cylindrical sensors	For XS6 Osiconcept® remote control
	flat	90°	substitution of block type sensors XSE / XSC / XSD
Form J	XSZBJ00	XSZBJ90	-
Form F	XSZBF00	XSZBF90	-
Form E	XSZBE00	XSZBE90	XSZBE10
Form C	XSZBC00	XSZBC90	XSZBC10
Form D	-	-	XSZBD10
M8	XSZB108		
M12	XSZB112		
M18	XSZB118		
M30	XSZB130		XSZBPM12

The above products are only a selection of the most popular products, for other versions: please refer to the Detection Components catalogue.



**Osiconcept®**  
Offrir la simplicité par l'innovation

**L'innovation par l'intelligence**

Un simple appui sur le bouton et le produit se configure automatiquement de façon optimale à toutes les situations de noyabilité.



“ un seul produit qui s'auto-adapte à tous les environnements d'installation ”



Bienvenue dans l'univers **Simply Smart** Telemecanique

Avec Osiconcept®, l'auto-apprentissage intelligent de l'environnement métallique rend plus simple le choix et la mise en œuvre et ceci avec une meilleure intégration dans la machine grâce à la **compacité** du design plat.



Noyabilité (environnement métallique)	Noyable ou Non noyable								
Portée nominale Sn (mm)									
Matière boîtier									
Dimension (mm) L x H x P									
Raccordement									
Alimentation	<table border="0"> <tr> <td>⋯ courant continu 3 fils</td> <td>PNP fonction NO (4)</td> </tr> <tr> <td></td> <td>NPN fonction NO (4)</td> </tr> <tr> <td>⋈ AC/DC 2 fils</td> <td>fonction NO</td> </tr> <tr> <td>non protégés aux CC</td> <td>fonction NC</td> </tr> </table>	⋯ courant continu 3 fils	PNP fonction NO (4)		NPN fonction NO (4)	⋈ AC/DC 2 fils	fonction NO	non protégés aux CC	fonction NC
⋯ courant continu 3 fils	PNP fonction NO (4)								
	NPN fonction NO (4)								
⋈ AC/DC 2 fils	fonction NO								
non protégés aux CC	fonction NC								

Noyabilité (environnement métallique)
Portée nominale Sn (mm)
Matière boîtier
Dimension (mm) L x H x P
Raccordement
Alimentation

**Constitution de la référence**  
⚠ Grille de lecture ne devant en aucun cas servir à composer une référence

<b>Gamme :</b>	8 = plat Universal Osiconcept®, 6 = cylindrique Universal, 7 = plat Optimum, 5 = cylindrique Optimum
<b>Matière :</b>	A = plastique, B = métal
<b>Sortie :</b>	A = NO, B = NC
<b>Raccordement :</b>	L2 = câble 2 m M12 = connecteur M12 M8 = connecteur M8 U20 = 1/2" UNF
<b>Sortie :</b>	P = PNP, N = NPN, M = AC/DC
<b>Forme :</b>	J, F, E, C, D, M8, M12, M18, M30

**XS8E1A1PAL2**

# Osiprox, détecteurs de proximité inductifs

## Universel Osiconcept®

Forme E	Forme C	Forme D	M 12	M 18	M 30	M 8	M 12	M 18	M 30
noyable ou non noyable par auto-apprentissage Osiconcept®			noyable ou non noyable par auto-apprentissage Osiconcept®			noyable		noyable	
10 15	15 25	40 60	3,4 5	6 9	11 18	2,5	4	8	15
plastique	plastique	plastique	métal	métal	métal	métal	métal	métal	métal
26 x 26 x 13	40 x 40 x 15	80 x 80 x 26	M12 x 54	M18 x 67	M30 x 71	M8 x 50	M12 x 50	M18 x 60	M30 x 60
câble 2 m / connecteur(1)	câble 2 m / connecteur(1)	câble 2 m / connecteur(2)	connecteur M12 déporté	connecteur M12 déporté	connecteur M12 déporté	câble 2 m / connecteur(2)	câble 2 m / connecteur(2)	câble 2 m / connecteur(2)	câble 2 m / connecteur(2)
XS8E1A1PAL2 / M8	XS8C1A1PAL2 / M8	XS8D1A1PAL2 / M12	XS612B2PAL01M12	XS618B2PAL01M12	XS630B2PAL01M12	XS608B1PAL2 / M12	XS612B1PAL2 / M12	XS618B1PAL2 / M12	XS630B1PAL2 / M12
XS8E1A1NAL2 / M8	XS8C1A1NAL2 / M8	XS8D1A1NAL2 / M12	XS612B2NAL01M12	XS618B2NAL01M12	XS630B2NAL01M12	XS608B1NAL2 / M12	XS612B1NAL2 / M12	XS618B1NAL2 / M12	XS630B1NAL2 / M12
XS8E1A1MAL2 / L01U20	XS8C1A1MAL2 / L01U20	XS8D1A1MAL2 / U20	-	-	-	-	XS612B1MAL2 / U20	XS618B1MAL2 / U20	XS630B1MAL2 / U20
XS8E1A1MBL2 / L01U20	XS8C1A1MBL2 / L01U20	XS8D1A1MBL2 / U20	-	-	-	-	XS612B1MBL2 / U20	XS618B1MBL2 / U20	XS630B1MBL2 / U20

## Optimum

Forme J	Forme F	Forme E	Forme C	Forme D	M 8	M 12	M 18	M 30
noyable	noyable	noyable	noyable	noyable	noyable	noyable	noyable	noyable
2,5	5	10	15	40	1,5	2	5	10
plastique	plastique	plastique	plastique	plastique	métal	métal	métal	métal
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	M8 x 33 / M8 x 50	M12 x 33 / M12 x 50	M18 x 36,5 / M18 x 52,5	M30 x 40,6 / M30 x 50
câble 2 m / connecteur M8 déporté (3)	câble 2 m / connecteur M8 déporté (3)	câble 2 m / connecteur (2)	câble 2 m / connecteur (2)	câble 2 m / connecteur (2)	câble 2 m / connecteur (2)	câble 2 m / connecteur (2)	câble 2 m / connecteur (2)	câble 2 m / connecteur (2)
XS7J1A1PAL2 / L01M8	XS7F1A1PAL2 / L01M8	XS7E1A1PAL2 / M8	XS7C1A1PAL2 / M8	XS7D1A1PAL2 / M12	XS508B1PAL2 / M8	XS512B1PAL2 / M12	XS518B1PAL2 / M12	XS530B1PAL2 / M12
XS7J1A1NAL2 / L01M8	XS7F1A1NAL2 / L01M8	XS7E1A1NAL2 / M8	XS7C1A1NAL2 / M8	XS7D1A1NAL2 / M12	XS508B1NAL2 / M8	XS512B1NAL2 / M12	XS518B1NAL2 / M12	XS530B1NAL2 / M12
XS7J1A1DAL2 / L01M8	XS7F1A1DAL2 / L01M8	XS7E1A1DAL2 / M8	XS7C1A1DAL2 / M8	XS7D1A1DAL2 / M12	XS508B1DAL2 / M12	XS512B1DAL2 / M12	XS518B1DAL2 / M12	XS530B1DAL2 / M12
XS7J1A1DBL2 / L01M8	XS7F1A1DBL2 / L01M8	XS7E1A1DBL2 / M8	XS7C1A1DBL2 / M8	XS7D1A1DBL2 / M12	XS508B1DBL2 / M12	XS512B1DBL2 / M12	XS518B1DBL2 / M12	XS530B1DBL2 / M12

(1) Connecteur M8 ou 1/2" 20 UNF, remplacer "L2" par "M8" ou "L01U20"  
Exemple : XS8E1A1PAL2 devient XS8E1A1PAM8 ou XS8E1A1MAL2 devient XS8E1A1MAL01U20  
(2) Connecteur M8, M12 ou U20, remplacer "L2" par "M8", "M12" ou "U20"  
Exemple : XS7E1A1PAL2 devient XS7E1A1PAM8, XS8D1A1PAL2 devient XS8D1A1PAM12 ou XS8D1A1MAL2 devient XS8D1A1MAU20  
(3) Connecteur M8 déporté, remplacer "L2" par "L01M8". Exemple : XS7J1A1PAL2 devient XS7J1A1PAL01M8  
(4) Versions NC, remplacer "A" par "B". Exemple : XS8E1A1PAL2 devient XS8E1A1PBL2

## Accessoires (à commander séparément)

	Pour détecteurs plats formes J, F, E, C, et D		substitution détecteurs parallélépipédiques XSE / XSC / XSD		À indexage pour détecteurs cylindriques		Pour télécommande XS6 Osiconcept®
Forme J	XSZBJ00	XSZBJ90	-	M8	XSZB108		
Forme F	XSZBF00	XSZBF90	-	M12	XSZB112		
Forme E	XSZBE00	XSZBE90	XSZBE10	M18	XSZB118		
Forme C	XSZBC00	XSZBC90	XSZBC10	M30	XSZB130		XSZBPM12
Forme D	-	-	XSZBD10				

Les produits ci-dessus ne représentent qu'une sélection des produits les plus achetés, pour d'autres réalisations : consulter le catalogue Détection.



**Telemecanique**