

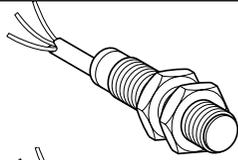


# XS XS1-M / XS2-M / XS4-P Détecteurs de proximité analogiques / Analogue proximity sensors

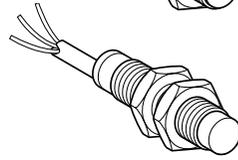


## Références / References

XS1-M12AB110/120  
XS1-M18AB110/120  
XS1-M30AB110/120



XS2-M12AB110/120  
XS2-M18AB110/120  
XS2-M30AB110/120  
XS4-P12AB110/120  
XS4-P18AB110/120  
XS4-P30AB110/120



## Caractéristiques électriques / Electrical characteristics

<b>Type de détecteurs / Detector type</b>	XS1-M	Métallique noyable / Metal Flush Mountable
	XS2-M	Métallique non noyable / Metal Non Flush Mountable
	XS4-P	Plastique non noyable / Plastic Non Flush Mountable

**Limites de tension / Supply voltage limits**  
XS...120 --> 10...38 V ---  
XS...110 --> 10...58 V ---

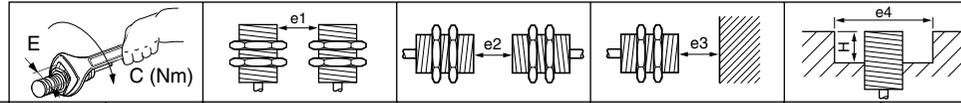
**Type de sortie analogique / Analog. output type**  
XS...110 --> 0...10 V  
branchement 3 fils avec R = 1 kΩ  
XS...120 --> 4...20 mA  
branchement 2 fils

**Courant consommé sans charge / No load current consumption**  
≤ 4 mA

## Mise en œuvre / Setting up procedure

### Domaine de fonctionnement / Operating range

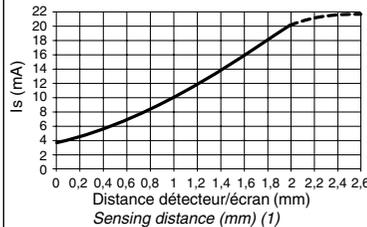
XS1-M12...	-->	0,2...2 mm
XS2-M12...	-->	0,4...4 mm
XS4-P12...	-->	0,4...4 mm
XS1-M18...	-->	0,5...5 mm
XS2-M18...	-->	0,8...8 mm
XS4-P18...	-->	0,8...8 mm
XS1-M30...	-->	1...10 mm
XS2-M30...	-->	1,5...15 mm
XS4-P30...	-->	1,5...15 mm



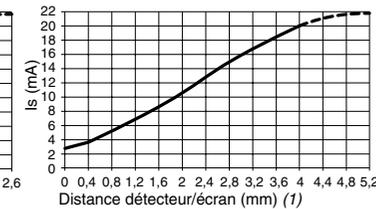
Produit	E (mm)	C (Nm)	e1 (mm)	e2 (mm)	e3 (mm)	e4 (mm)	H (mm)
XS1-M12	17	6	4	24	6	12	0
XS2-M12	17	6	16	48	12	36	8
XS4-P12	17	2	16	48	12	36	8
XS1-M18	24	15	10	60	15	18	0
XS2-M18	24	15	32	96	24	54	16
XS4-P18	24	5	32	96	24	54	16
XS1-M30	36	40	20	120	30	30	0
XS2-M30	36	40	60	180	45	90	30
XS4-P30	36	20	60	180	45	90	30

## Courbes de sortie / Output curves

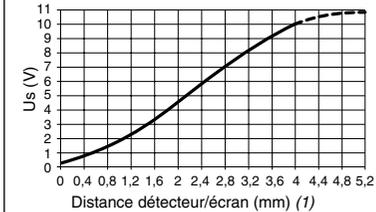
XS1-M12AB120 Sn = 0,2...2 mm



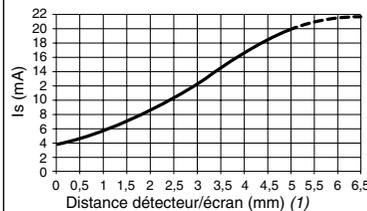
XS2-M/XS4-P12AB120 Sn = 0,4...4 mm



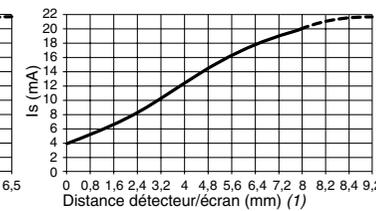
XS2-M/XS4-P12AB110 Sn = 0,4...4 mm



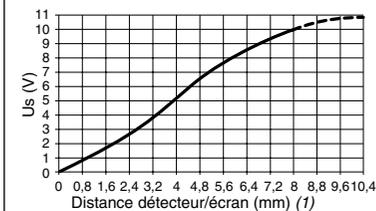
XS1-M18AB120 Sn = 0,5...5 mm



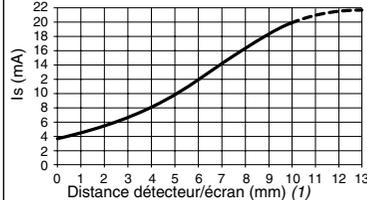
XS2-M/XS4-P18AB120 Sn = 0,8...8 mm



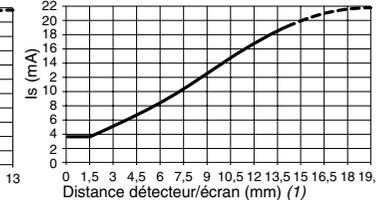
XS2-M/XS4-P18AB110 Sn = 0,8...8 mm



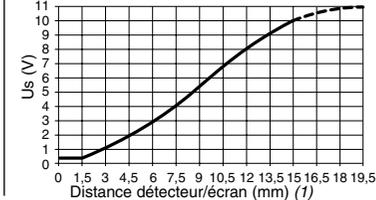
XS1-M30AB120 Sn = 1...10 mm



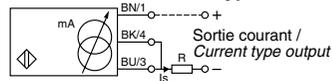
XS2-M/XS4-P30AB120 Sn = 1,5...15 mm



XS2-M/XS4-P30AB110 Sn = 1,5...15 mm



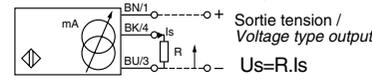
### Branchement 2 fils / 2-wire type



	Courant de sortie / Output current (2)	Valeur de charge / Load value
XS...120 12 V	4...20 mA	R ≤ 82 Ω
24 V	4...20 mA	R ≤ 450 Ω

Respecter une tension mini de 10 V entre le + (borne 1) et le - (borne 3) du détecteur / the supply voltage between terminals 1 (+) and 3 (-)

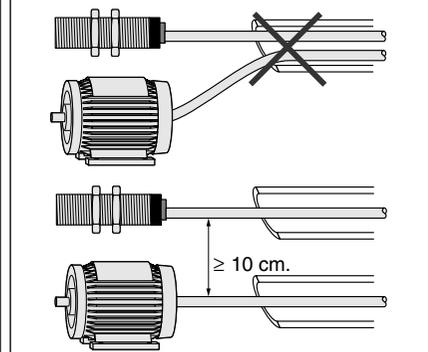
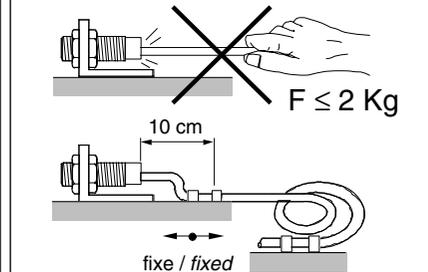
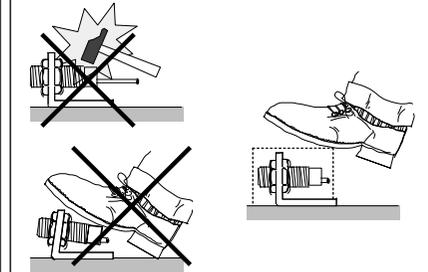
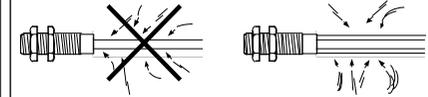
### Branchement 3 fils / 3-wire type



	Courant de sortie / Output current (2)	Valeur de charge / Load value (3)	Tension de sortie / Output voltage	Valeur de charge / Load value
XS...110 12 V	0...10 mA	≤ 560 Ω	0...10 V	(impossible)
24 V	0...10 mA	≤ 1500 Ω	0...10 V	R = 1000 Ω
48 V	0...10 mA	≤ 3300 Ω	0...10 V	R = 1000 Ω

Respecter une tension mini de 5V entre le + (borne 1) et la sortie du détecteur (borne 4) / The supply voltage between terminals 1 (+) and the output terminal 4 must be ≥ 5V

## PROTECTIONS



BU : bleu, blue, blau, blu, azul, bla, blauw, μπλε  
BN : brun, brown, marrón, castanho, brun, bruin, καφέ  
BK : noir, black, schwarz, nero, negro, preto, svart, μαύρο