

XSA-V Détecteurs de proximité pour contrôle rotation / Proximity sensors for rotation monitoring


Telemecanique

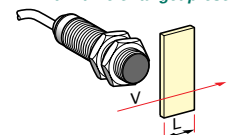
Caractéristiques électriques / Electrical characteristics

Type de détecteurs / Detector type	XSA-V 11373 12373	XSA-V 11801 12801
Plages de tension / Voltage limits	DC 3 fils PNP 3 wires	AC/DC 2 fils * 2 wires
Courant commuté / Switching capacity	0...200 mA	5...200 mA DC 5...350 mA AC
Protection surcharges et courts-circuits / Overload and short circuit protection	oui yes	non no
Tension de déchet / Drop voltage	≤ 1,8V	≤ 5,7V
Courant résiduel / Residual current	—	≤ 1,5 mA
Courant consommé sans charge / Current consumption, no load	≤ 15 mA	—
Gamme de température / Temperature range	-25...+70 °C	

* Nota : appareils AC/DC. Ces appareils n'étant pas protégés contre les surcharges et courts-circuits, il est conseillé de mettre en série sur fusible à action rapide XUZ-E06 /
Note : AC/DC sensors. These sensors are not protected against overload or short-circuit and therefore, it is recommended that a "quick-blow" fuse (XUZ-E06) be connected in series with the load.

Mise en œuvre / Setting-up procedure

Temps minimum de présence d'un écran normalisé / Minimum time of target presence (standard target)



$$t = \frac{L}{V} \text{ (m/s)}$$

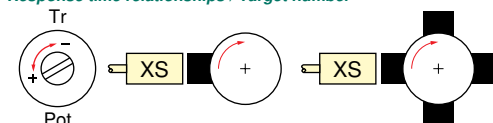
XSA-V11... : $t \geq 3,3$ ms
XSA-V12... : $t \geq 0,42$ ms

Temps de réponse / Response time

Version lente : réglé à 6 impulsions / min. : $tr = 10$ secondes
réglé à 150 impulsions / min. : $tr = 0,4$ secondes
Version rapide : réglé à 120 impulsions / min. : $tr = 0,5$ secondes
réglé à 3000 impulsions / min. : $tr = 0,02$ secondes

Low speed version : set at 6 impulses / min. : $tr = 10$ seconds
set at 150 impulses / min. : $tr = 0.4$ seconds
High speed version : set at 120 impulses / min. : $tr = 0.5$ seconds
set at 3000 impulses / min. : $tr = 0.02$ seconds

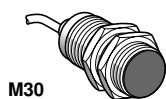
Relation temps de réponse / Nombre d'écrans
Response time relationships / Target number



$$N \times 1 \Rightarrow Tr/1$$

$$N \times 4 \Rightarrow Tr/4$$

XSA-V Contrôle de rotation / Rotation monitoring

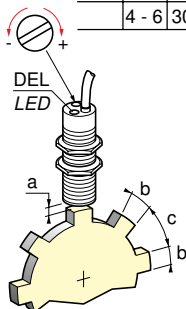


XSA-V11373 XSA-V11801 XSA-V0...
XSA-V12373 XSA-V12801 XSA-V3...
M30

E (mm)	C (Nm)	e1 (mm)	e2 (mm)	e3 (mm)	e4 (mm)	H (mm)	L1 (mm)	L2 (mm)
36	≤ 40	≥ 20	≥ 120	e ≥ 30	e4 ≥ 30	H ≥ 0	81	66

Mise en œuvre standard / Setting-up procedure

mm	a	b	c
4 - 6	30x30	60	

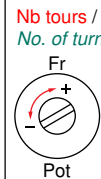


Rotation du potentiomètre (nbre de tours) / fréquence de réglage (tps de réponse) Potentiometer adjustment (no. of turns) / frequency setting (response time)

Versions lentes / Low speed versions

XSA-V11373 / XSA-V11801

(6...150 impul/min)



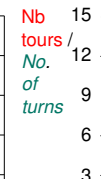
Fr : - hertz
- imp/mn
Tr : - secondes

0,1 2,5
6 150
10 0,4

Versions rapides / High speed versions

XSA-V12373 / XSA-V12801

(120...3000 impul/min)

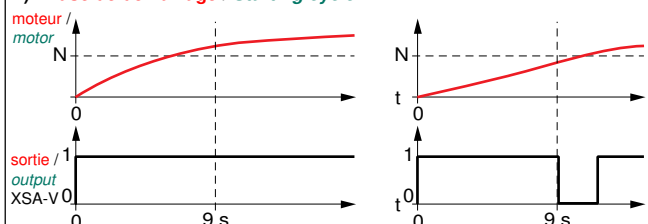


Fr : - hertz
- imp/mn
Tr : - secondes

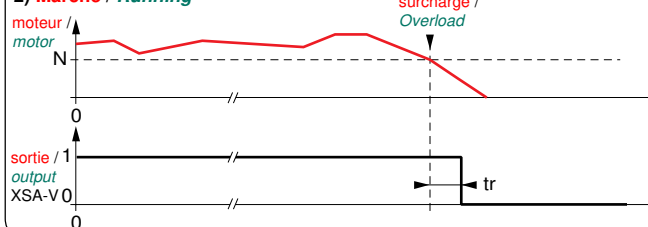
2 50
120 600 3000
0,5 0,1 0,02

Chronogrammes de fonctionnement / sauf versions XSA-V0... Response time charts

1) Phase de démarrage / Starting cycle

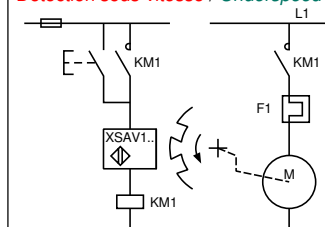


2) Marche / Running



Exemples de schémas de branchement / Examples of wiring schemes

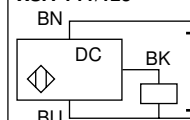
Détection sous-vitesse / Underspeed detection



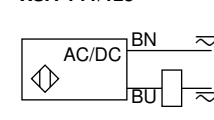
Fonctionnement avec coupeure d'alimentation et arrêt en cas de surcharge.
Redémarrage manuel.

Operation with supply disconnection and stopping in the event of an overload.
Manual restart.

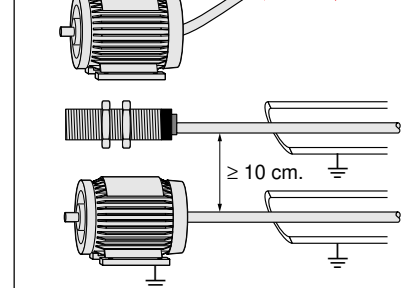
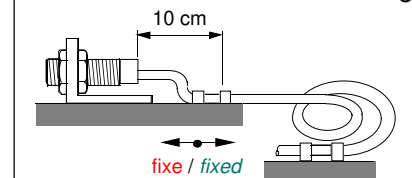
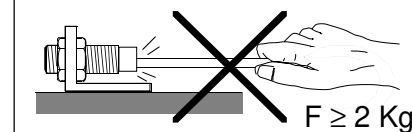
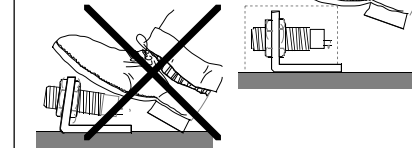
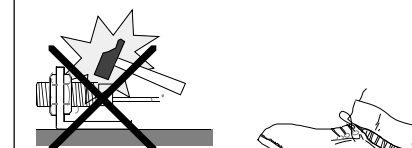
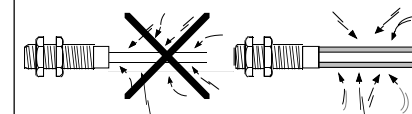
XSA-V11/123



XSA-V11/128



PROTECTIONS / MOUNTING PRECAUTIONS



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