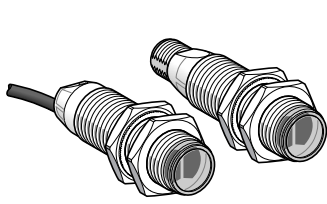
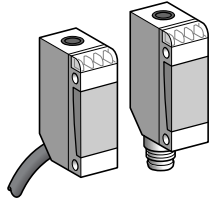


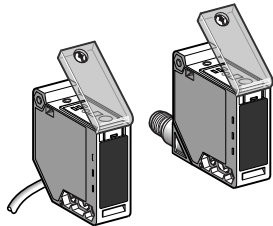
en Osiconcept photo-electric sensors  
fr Détecteurs photo électriques Osiconcept  
de Photoelektronische Sensoren Osiconcept



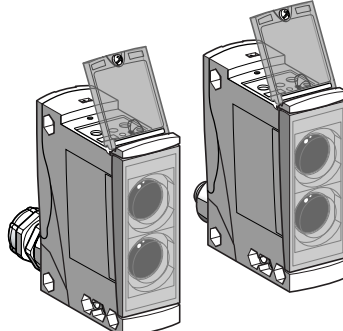
XUB 0 (M18x64)



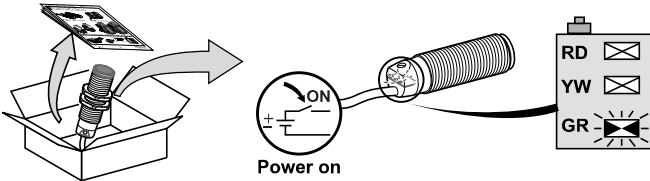
XUM 0 (12x34x20)



XUK 0 (18x50x50)



XUX 0 (30x92x71)



Power on

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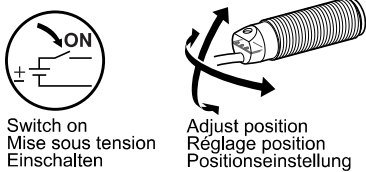
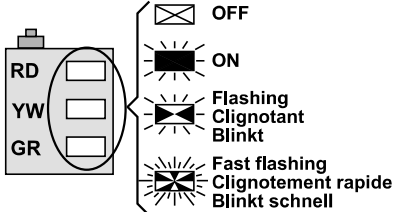
1/2

Schneider  
Electric

## Key / Légende / Legende

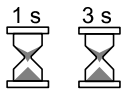
RD	Red	Rouge	Rot	STAB
YW	Yellow	Jaune	Gelb	OUT
GR	Green	Vert	Grün	RUN

RD-Fault / Défaut RD / RD-Fehler  
YW-Output / Sortie YW / YW-Ausgang  
GR-Power supply (teach status)  
Alimentation GR (état apprentissage)  
GR-Stromzufuhr (Teach-Status)



Switch on  
Mise sous tension  
Einschalten

Adjust position  
Réglage position  
Positionseinstellung



Action duration  
Durée de l'action  
Dauer d. Aktion



Object  
Objet  
Objekt



Press button  
Appui bouton  
Taste drücken



Release button  
Relacher le bouton  
Taste loslassen

**en DANGER**  
HAZARD OF ELECTRIC SHOCK, EXPLOSION OR ARC FLASH  
- Disconnect all power before servicing equipment.  
Failure to follow these instructions will result in death or serious injury.

**fr DANGER**  
RISQUE D'ELECTROCUTION, D'EXPLOSION OU D'ARC ELECTRIQUE  
- Coupez l'alimentation avant de travailler sur cet appareil.  
Le non-respect de cette instruction entraînera la mort ou des blessures graves.

**de GEFAHR**  
STROMSCHLAG-, EXPLOSIONS- ODER LICHTBOGENGEFAHR  
- Vor dem Arbeiten an dem Gerät dessen Stromversorgung abschalten.  
Die Nichtbeachtung dieser Anweisung wird den Tod oder schwere Körperverletzung zur Folge haben.

en Electrical equipment should be installed, operated, serviced, and maintained only by qualified personnel. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.

fr Les équipements électriques doivent être installés, exploités et entretenus par un personnel qualifié. Schneider Electric n'assume aucune responsabilité des

## en Troubleshooting help Defects - Causes - Remedies

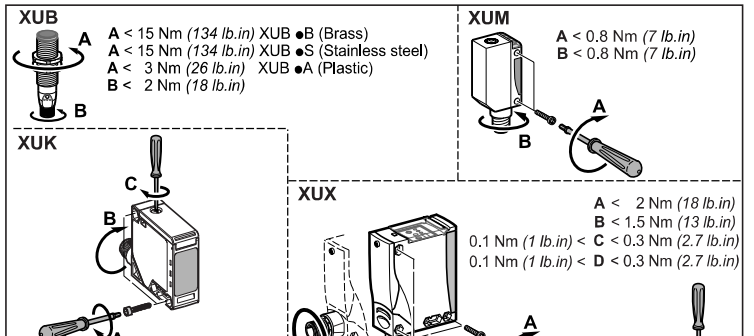
Status	Diagnostic	Causes	Actions
<b>Setting</b>			
Green	Init mode or press < 3 s	–	Press > 3 s
Red	Environment is incorrect	Range limit (Reflex, obstacle)	Review the alignment conditions + restart learning (press > 3 s)
Red	Alignment is incorrect	Off limit	Review the setting
	Setting limit	Range limit	Review the setting
<b>Operation</b>			
Red	Fine setting failed	Object is absent	Position the object or reset (press > 9 s)
	Fine setting failed	Object is too clear	Reset (press > 9 s)
	Fine BGS setting failed	Too close to background	Reset (press > 9 s)
	Fine direct REFLEX setting failed (Proxi)	Insufficient threshold level	Reset (press > 9 s)
Red	Clogging	"Lens polluted"	Optical cleaning; preventive maintenance

## fr Aide aux dépannages Défaut - Causes - Remèdes

Etat	Diagnostic	Causes	Actions
<b>Réglage</b>			
Vert	Mode Init ou appui < 3 s	–	Appui > 3 s
Rouge	Environnement incorrect	Limite de portée (Réflex, Barrage)	Revoir conditions d'alignement + Relance apprentissage (appui > 3 s)
Rouge	Alignement incorrect	Hors limite	Revoir montage
	Limite de réglage	Limite de portée	Revoir réglage
<b>Fonctionnement</b>			
Rouge	Echec réglage fin	Objet absent	Positionner l'objet ou reset (appui > 9 s)
	Echec réglage fin	Objet trop transparent	Reset (appui > 9 s)
	Echec réglage fin EFFAR	Trop près de l'arrière plan	Reset (appui > 9 s)
	Echec réglage fin Réflexion direct (Proxi)	Niveau de seuil insuffisant	Reset (appui > 9 s)
Rouge	Encrassement	"Pollution lentille"	Nettoyage optique, maintenance préventive

## de Hilfe zur Störungsbeseitigung Fehler - Ursache - Abhilfe

Status	Diagnose	Ursache	Aktionen
<b>Einstellung</b>			
Grün	Modus Init oder < 3 s drücken	–	> 3 s drücken
Rot	Umgebung nicht OK	Tastweite erreicht (Reflex, Sperre)	Ausrichtungsbedingungen überprüfen + Teach-in neu starten (> 3 s drücken)
Rot	Falsche Ausrichtung	Außerhalb der Tastweite	Montage überprüfen
	Einstellungsgrenze	Tastweite erreicht	Einstellung überprüfen
<b>Betrieb</b>			
Rot	Fehler Feineinstellung	Kein Objekt	Objekt positionieren oder Reset (> 9 s drücken)
	Fehler Feineinstellung	Objekt zu transparent	Reset (> 9 s drücken)
	Fehler Feineinstellung BGS	Zu nahe am Hintergrund	Reset (> 9 s drücken)
	Fehler Feineinstellung direkte Reflexion (Proxi)	Schwellenhöhe unzureichend	Reset (> 9 s drücken)
Rot	Verschmutzung	"Verschmutzung der Linse"	Optik reinigen, vorbeugende Wartung



	Diffuse / Proximité / Reflexions-Lichttasters		Polarized reflex / Reflex polarisé Polarisierte Reflex	Thru-beam / Barrage / Lichtschränke
Sensing mode Mode de détection Erfassungsmodus	A Diffuse mode Mode proximité Direkter (diffuser) Modus	B Background suppression* Effacement arrière plan* Ausblendung Hintergrund*	C With reflector R Avec réflecteur R Mit Reflektor R	D With transmitter T Avec émetteur T Mit Transmitter T
1 Alignment Alignement Ausrichtung				
2 Standard setting Réglage standard Standardeinstellung				
3 Fine Object setting Réglage fin de l'objet Objekt - Feineinstellung				

\* In this mode **B**, steps 2 and 3 are mandatory and the overwriting function does not exist.

\* Dans ce mode **B**, les étapes 2 et 3 sont obligatoires et la fonction d'encrassement n'existe pas.

\* In diesem Modus **B**, sind die Etappen 2 und 3 obligatorisch. Die Verschmutzungsfunktion existiert nicht.

In modes **C** and **D**, step 3 is optional, except for transparent materials.

Dans les modes **C** et **D**, l'étape 3 est optionnelle sauf matériaux transparents.

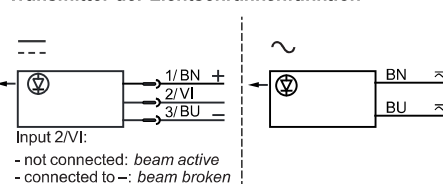
In den Modi **C** und **D**, ist die Etappe 3 optional, außer bei transparenten Objekten.

Inversion Output NO/NC Inversion de sortie NO/NC Umkehrung Ausgang NO/NC					
Reset Réinitialisation Reset					
Display mode Affichage mode Anzeigemodus					

**Version M12/M8 / Version M12/M8**  
Version M12/M8  
M12 connector  
4 3 3 (-)  
1 (+)  
4 OUT/Output  
2 Alarm or Beam break input (1)  
M 8 connector  
4 3 3 (-)  
1 (+)  
4 OUT/Output  
2 Beam break input (1)  
(1) Beam break input on thru-beam transmitter only.

**Version L2 / Version L2**  
Version L2  
Pre-cabled, PNP/NPN  
(-) BU (Blue)  
(+) BN (Brown)  
OUT/Output BK (Black)  
Alarm / WH (White)  
Beam break input (1) VI (Violet)  
Pre-cabled, relay output  
(-) BU (Blue),  
(+) BN (Brown)  
Relay common/GY (Grey)  
NO BK (Black)  
NC WH (White)

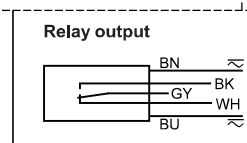
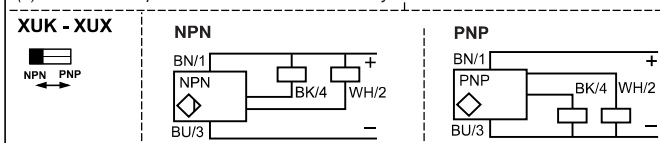
**Transmitter for the thru-beam mode**  
Emetteur de la fonction barrage  
Transmitter der Lichtschränkenfunktion



**XUX: Terminal block T 16 version**  
Version bornier T 16  
Version Klemmleiste T 16

PNP / NPN	Relay output
Terminal	Terminal
1 1 (+)	1 1 (+)
2 2 (-)	2 2 (-)
3 3 Output	3 3 NO
4 4 Alarm	4 4 Relay common
	5 5 N/C

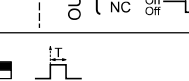
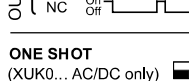
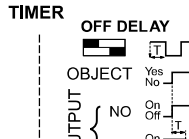
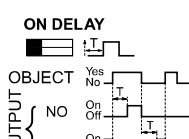
Transmitter	Transmitter
Terminal	Terminal
1 1 (+)	1 1 (+)
2 2 (-)	2 2 (-)
3 3 Beam broken input (1)	3 3 Beam broken input (1)
(1) Beam break input on thru-beam transmitter only.	



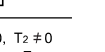
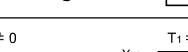
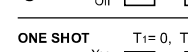
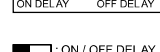
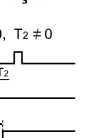
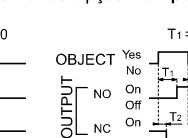
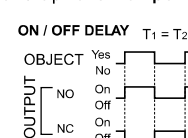
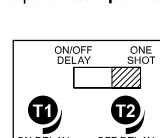
**XUK 0ARCTL2**



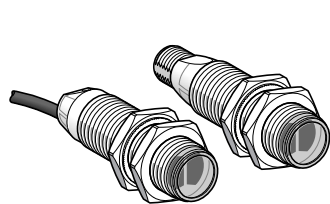
**XUK 0AKSAL2 / M12**



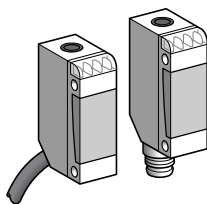
**XUX 0ARCTT16 únicamente / Solo XUX 0ARCTT16 / Apenas XUX 0ARCTT16**  
Opción: temporización / Opzione: Temporizzazione / Opção: Temporização



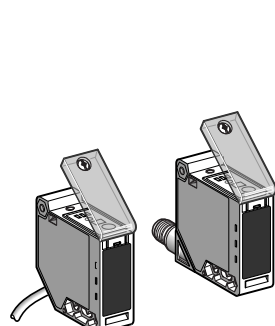
- es Detectores fotoeléctricos Osiconcept  
it Interruttori fotoelettrici Osiconcept  
pt Detectores fotoeléctricos Osiconcept



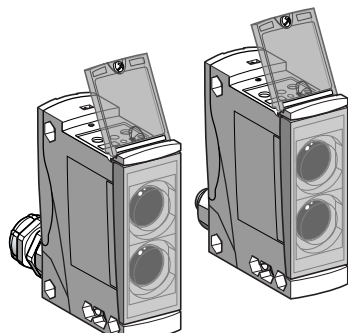
XUB 0 (M18x64)



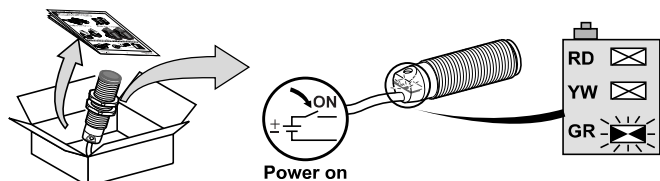
XUM 0 (12x34x20)



XUK 0 (18x50x50)



XUX 0 (30x92x71)



Power on

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Electric

## Leyendas / Legenda / Legenda

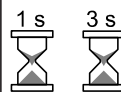
RD	Rojo	Rosso	Vermello	STAB
YW	Amarillo	Giallo	Amarelo	OUT
GR	Verde	Verde	Verde	RUN

Defecto RD / RD-Guasto / RD-Falha  
Salida YW / YW-Uscita / YW-Saída  
Alimentación GR (estado aprendizaje)  
GR-Alimentazione (apprendimento)  
GR-Fonte de alimentação (estado ensinar)



Puesta bajo tensión  
Accensione  
Ligado

Ajustar la posición  
Regolazione posizione  
Posição de regulação



Duración de la acción  
Durata dell'azione  
Tempo de acção



Objeto  
Oggetto  
Objecto

es

it

pt

## ⚠ PELIGRO

**RIESGO DE ELECTRO-CUCIÓN, EXPLOSIÓN O ARCO ELÉCTRICO**  
- Desconecte toda alimentación antes de realizar el servicio.

Si no se respetan estas instrucciones, se producirán graves daños corporales o la muerte.

es Sólo el personal de servicio cualificado podrá instalar, utilizar, reparar y mantener el equipo eléctrico. Schneider Electric no asume las responsabilidades que pudieran surgir como consecuencia de la utilización de este material.

it Le apparecchiature elettriche devono essere installate, usate e riparate solo da personale qualificato. Schneider Electric non assume nessuna responsabilità per

## ⚠ PERICOLO

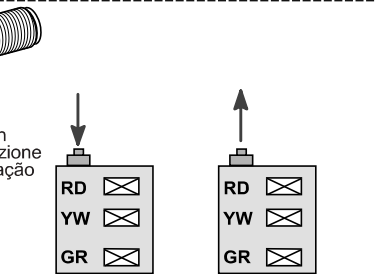
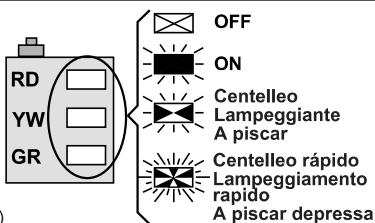
**RISCHIO DI SCOSSA ELETTRICA, DI ESPLOSIONE O DI OTFALMIA DA FLASH**  
- Scollegare l'apparecchio dalla presa di corrente prima di qualsiasi intervento.

La mancata osservanza di questa istruzione comporta gravi rischi per la vita e l'incolumità personale.

## ⚠ PERIGO

**RISCO DE CHOQUE ELÉCTRICO, EXPLOSIÃO OU FAISCA**  
- Desligue a alimentação antes de trabalhar neste aparelho.

O não respeito destas instruções causará a morte ou lesões graves.



Pulsar el botón  
Premere il pulsante  
Premir botão

es

it

pt

es

## Ayuda a la reparación de averías Fallos - Causas - Soluciones

Estado	Diagnóstico	Causas	Acciones
<b>Ajuste</b>			
	Verde	Modo Init o pulsar < 3 s	— (pulsar > 3 s)
	Rojo	Entorno incorrecto	Límite de alcance (Reflex, Obstáculo)
	Rojo	Alineación incorrecta	Fuera de límite
	Rojo	Límite de ajuste	Límite de alcance
<b>Funcionamiento</b>			
	Rojo	Fracaso de ajuste fino	Objeto ausente
	Rojo	Fracaso de ajuste fino	Objeto demasiado transparente
	Rojo	Fracaso de ajuste fino BGS	Demasiado cercano del fondo
	Rojo	Fracaso de ajuste Reflex directo	Nivel de umbral insuficiente
	Rojo	Ensuciamiento	"Lente contaminada"

it

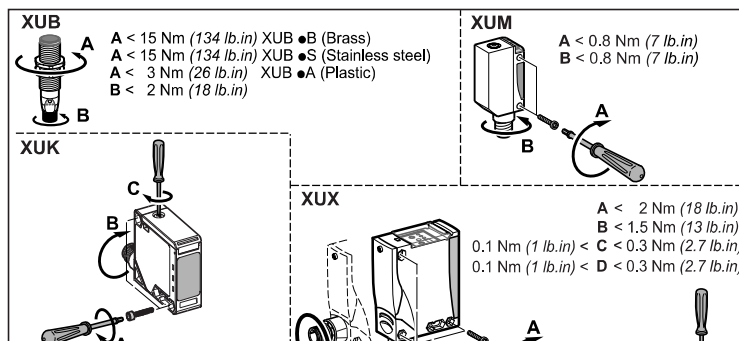
## Soluzione dei problemi Guasto - Causa - Soluzione

Stato	Diagnostica	Cause	Azioni
<b>Regolazione</b>			
	Verde	Modalità Iniz o pressione < 3 s	— Pressione > 3 s
	Rosso	Ambiente incorretto	Limite di portata (Riflessione, Sbarramento)
	Rosso	Allineamento errato	Fuori limite
	Rosso	Limite di regolazione	Limite di portata
<b>Funzionamento</b>			
	Rosso	Regolazione fine fallita	Oggetto mancante
	Rosso	Regolazione fine fallita	Oggetto troppo trasparente
	Rosso	Regolazione fine BGS	Troppo vicino allo sfondo
	Rosso	Regolazione fine fallita Riflessione diretta (Proxi)	Livello di soglia insufficiente
	Rosso	Ostruzione	"Lente sporca"

pt

## Ajuda às avarias Falhas - Causas - Soluções

Estado	Diagnóstico	Causas	Acções
<b>Regulação</b>			
	Verde	Modo Inic ou pressão < 3 s	— Pressão > 3 s
	Vermelho	Ambiente incorrecto	Limite de alcance (Reflexo, Barragem)
	Vermelho	Alinhamento incorrecto	Fora do limite
	Vermelho	Limite de regulação	Limite de alcance
<b>Funcionamento</b>			
	Vermelho	Falha regulação fina	Objecto ausente
	Vermelho	Falha regulação fina	Objecto demasiado transparente
	Vermelho	Falha regulação fina BGS	Demasiado próximo do pano-de-fundo
	Vermelho	Falha regulação fina Reflexão directa (Proxi)	Nível de limiar insuficiente
	Vermelho	Obstrução	"Poluição lenta"



XUB

A < 15 Nm (134 lb.in) XUB •B (Brass)  
A < 15 Nm (134 lb.in) XUB •S (Stainless steel)  
A < 3 Nm (26 lb.in) XUB •A (Plastic)  
B < 2 Nm (18 lb.in)

XUM

A < 0.8 Nm (7 lb.in)  
B < 0.8 Nm (7 lb.in)

XUK

XUX

A < 2 Nm (18 lb.in)  
B < 1.5 Nm (13 lb.in)  
0.1 Nm (1 lb.in) < C < 0.3 Nm (2.7 lb.in)  
0.1 Nm (1 lb.in) < D < 0.3 Nm (2.7 lb.in)



