

de

EINSTELLUNG

Der Sensor verfügt über 3 unterschiedliche Teach-in-Modi.

Standard Teach-in (STI): ist für nahezu jede Anwendung geeignet. Einstellung erfolgt auf das Objekt und den Hintergrund (s. Grafik G).

Object-Object Teach-in (OTI): ist geeignet für Anwendungen bei denen der Hintergrund nicht eingelesen werden kann. Einstellung erfolgt 2x auf das Objekt (s. Grafik H).

Dynamic Teach-in (DTI): ist geeignet den Sensor im laufenden Prozess einzustellen, speziell bei kleinen Objekten (s. Grafik I).

WARTUNG

SENSOPART-Sensoren sind wartungsfrei. Es wird empfohlen in regelmäßigen Intervallen die optischen Flächen zu reinigen und Verschraubungen und Steckverbindungen zu überprüfen.

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SETTING

The sensor has 3 different Teach-in modes.

Standard Teach-in (STI): is suited for nearly all applications. Setting is made on object and background (see illustration G).

Object-Object Teach-in (OTI): is suited for applications where the background cannot be taught in. Setting is made 2x on the object. (see illustration H).

Dynamic Teach-in (DTI): is suited for setting the sensor in the running process, particularly for small objects (see illustration I).

MAINTENANCE

SENSOPART sensors are maintenance-free. We recommend to cyclically clean the optical surfaces and check the screw connections and plug connections.

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RÉGLAGE

Le capteur a 3 modes différents d'apprentissage (Teach-in).

Standard Teach-in (STI) : est adapté à presque toutes les applications. Apprentissage sur l'objet puis sur l'arrière plan (voir illustration G).

Object-Object Teach-in (OTI) : est approprié pour les applications où l'arrière-plan ne peut être enseignée. Le réglage est fait 2x sur l'objet (voir illustration H).

Dynamic Teach-in (DTI) : est approprié pour régler le capteur pendant qu'il est en service, particulièrement pour les petits objets (voir illustration I).

ENTRETIEN

Les capteurs SENSOPART ne demandent aucun entretien. Nous recommandons de nettoyer les surfaces optiques et vérifier les raccordements et les fixations régulièrement.

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CONFIGURACIÓN

El sensor dispone de 3 modos Teach-in diferentes.

Standard Teach-in (STI): adecuado casi para cualquier uso. La configuración se realiza hacia el objeto y el fondo (véase gráfico G).

Object-Object Teach-in (OTI): es adecuado para usos en los que no se pueda entrenar el fondo. La configuración se realiza 2 veces sobre el objeto (véase gráfico H).

Dynamic Teach-in (DTI): es adecuado para configurar el sensor con el proceso en marcha, en particular, para objetos pequeños (véase gráfico I).

MANTENIMIENTO

Los sensores SENSOPART no necesitan mantenimiento. Se recomienda limpiar las superficies ópticas a intervalos regulares y comprobar las uniones atornilladas y conexiones.

E. WERKSEINSTELLUNG | FACTORY SETTING | CONFIGURATION D'ORIGINE | AJUSTE DE FÁBRICA

Step 1:

Step 2:

Step 3:

LEDs OFF

Power OFF

Press any button

LEDs OFF

Power OFF

both LEDs flash

Power ON

Press and hold any button and Power ON

→ green and yellow LEDs flash simultaneously

Keep button pressed > 10 s

→ green and yellow LEDs still flash simultaneously, but faster

→ sensor is set to factory settings

G. STANDARD TEACH-IN (STI)

Step 1: Teach-in object

Step 2: Teach-in background/object

Single Point

press > 3 s

until green & yellow LED flash at the same time

Window

press > 6 s

until yellow LED flashes

Single Point

press > 1 s

Window

press > 1 s

External Teach-in → F.

ok

F. ÜBERSICHT | OVERVIEW | APERÇU | VISIÓN GENERAL

	Teach button		Ext. teach		
Function	Action Step 1	Action Step 2		Action LED	See illustr.
Q, Single Point	press > 3 s	press > 1 s	✓	Green and yellow LED flash at the same time	G. H. I.
Q, Window	press > 6 s	press > 1 s	✓	Yellow LED flashes	G. H. I.
N.O. / N.C.	press > 10 s	press > 1 s	✓	Green and yellow LED flash alternately	J.
Auto-Detect / PNP / NPN	press > 13 s	press > 1 s	✓	Green and yellow LED flash at the same time	L.
Switching frequency	press > 16 s	press > 1 s	✓	Yellow LED flashes	M.

H. OBJECT-OBJECT TEACH-IN (OTI)

Step 1: Teach-in object

Step 2: Teach-in object

Single Point

press > 3 s

until green & yellow LED flash at the same time

Window

press > 6 s

until yellow LED flashes

press > 1 s

External Teach-in → F

ok

I. DYNAMIC TEACH-IN (DTI)

Step 1: During running process

Step 2: Teach-in object during running process

Single Point

press > 3 s

until green & yellow LED flash at the same time

press > 1 cycle

External Teach-in → F

ok

J. UMSCHALTUNG N.O. / N.C. | SWITCHING N.O. / N.C. | INVERSION N.O. / N.C. | CONMUTACIÓN N.O. / N.C.

press > 10 s

until green & yellow LED flash alternately

N.O.

green LED flashes

yellow LED ON

wait 10 s

ok

press

N.C.

green LED flashes

yellow LED OFF

wait 10 s

ok

press

N.O.

K. EINSTELL-MODI | SETTING MODES | MODES DE RÉGLAGE | MODOS DE CONFIGURACIÓN

	STANDARD TEACH-IN (STI) SEE G.	OBJECT-OBJECT TEACH-IN (OTI) SEE H.	DYNAMIC TEACH-IN (DTI) SEE I.
Teach 1			
Teach 2			
Single point	Q N.O. High Low 1/2 1/2	Q High Low Hysteresis	Q High Low 1/2 1/2
Window	Q N.O. High Low	Q High Low	Q High Low

L. UMSCHALTUNG AUTO-DETECT / NPN / PNP | SWITCHING AUTO-DETECT / NPN / PNP | INVERSION AUTO-DETECT / NPN / PNP | CONMUTACIÓN AUTO-DETECT / NPN / PNP

press > 13 s

until green & yellow LED flash at the same time

Auto-Detect

green & yellow LED flash at the same time

wait 10 s

ok

press

NPN ³⁾

green LED flashes

wait 10 s

ok

press

PNP

yellow LED flashes

wait 10 s

ok

press

Auto-Detect ...

³⁾ IO-Link ist spezifiziert für PNP | IO link is specified for PNP | IO-Link est spécifié pour PNP | IO-link es especificado para PNP

M. UMSCHALTUNG SCHALTFREQUENZ | SWITCHING FREQUENCY | FRÉQUENCE DE COMMUTATION | FRECUENCIA DE CONMUTACIÓN

press > 16 s

until yellow LED flashes

5 Hz

green & yellow LED flash at the same time

wait 10 s

ok

press

50 Hz

green LED flashes

wait 10 s

ok

press

300 Hz

yellow LED flashes

wait 10 s

ok

press

...

IMPORTANT

If green & yellow LED flash alternately:

Other switching frequency was set via IO-Link.