



Выписка из наших онлайн-каталогов:

ews-100/M18/CD Set

Данной на: 2018-09-13



Ultrasonic through-beam barrier in different housings

ОСНОВНЫЕ ХАРАКТЕРИСТИКИ

- › Emitter and receiver › in miniature cubic housing or in M18 housing
- › Installation-compatible with many through-beam barriers › a true alternative for critical applications
- › Up to 500 Hz switching frequency › for fast sampling

BASICS

- › 1 switching output in pnp variant
- › microsonic Teach- in using a button
- › Working distance between the transmitter and the receiver selectable from 10 to 2,500 mm
- › 20-30 V operating voltage

Описание

Ultrasonic through-beam barrier ews

for contact free detection of objects specially in the most diverse applications e.g. with bottles or plastic foils. The through-beam sensor ews is available as a cuboid miniature housing and a cylindrical M18 housing. The ews family covers a working range of 10 mm to 2,500 mm.

A through-beam barrier

consists of two constructively-identical units which are operated as a transmitter and a receiver. The two units recognize whether they are intended to work as a transmitter or a receiver via the control input. If pin 2 +UB is activated, this unit functions as a transmitter.



The functional principle ultrasonic through-beam barrier

The functional principle

one through-beam sensor ews, set as emitter, sends cyclic sound impulses, received by another one, set as receiver. If an object interrupts the pulses between the transmitter and the receiver, the switching output of the receiver is set.

microsonic Teach-in

The Teach-in button on the top of the cubic through-beam barrier ews-15/CD allows for a convenient configuration of the response time and the output function of the switching output of the receiver. With the Teach-in procedure the response time and an off-delay of 6,9 ms can be set. At the through-beam barrier in the M18 housing, response time and output function can be set via the Teach-in procedure at Pin 2.

Two LEDs

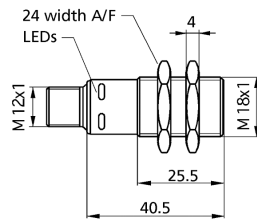
show the operating state and the state of the switching output of the receiver.

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масштабе чертежа

Зона обнаружения

2x



1 x PNP

рабочий диапазон	100 - 2500 мм
Модель	цилиндрический M18
режим работы	односторонний барьер
особенности	Empfänger für Einweg-Ultraschall-Schranke Sender für Einweg-Ultraschall-Schranke

ультразвуковых конкретных

средств измерений	Transmitter-receiver pulse mode
Преобразователь частоты	200 kHz

Электрические данные

рабочее напряжение U_B	10 - 30 VDC, защита от обратной полярности
пульсации напряжения	$\pm 10 \%$
ток холостого потребления	as emitter ≤ 50 mA, as receiver ≤ 25 mA
тип соединения	4-контактным разъемом M12

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Выходы

Выход 1	релейный выход PNP: $I_{\max} = 200 \text{ mA}$ (+U _B -2 В), НЗК/НОК выбираемые, защита от короткого замыкания
частота переключений	200 Hz, bei aktiviertem Filter 50 Hz
время реакции	5 ms, bei aktiviertem Filter 15 ms
задержка до наличия	< 300 ms

затраты

вход 1	Control-Eingang Teach-in-Eingang
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жилье

материал	ABS
максимум Момент затяжки гайки	1 Nm
Класс защиты по EN 60529	IP 67
Рабочая температура	-25 ° C до +70 ° C
температура хранения	-40 ° C до +85 ° C
вес	2 x 15 g
последующие версии	один передатчик / приемник

Технические характеристики / характеристики

управления	Управляющий вход
возможности для настройки	Режим «обучения»
Индикаторы	LED green (transmitter and receiver: working), LED yellow (only receiver: switch status)
особенности	Empfänger für Einweg-Ultraschall-Schranke Sender für Einweg-Ultraschall-Schranke

Загрузки

Назначение контактов



Номер заказа

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