



摘自我们的在线目录：

ucs-15/CDD/QM

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UCS

ucs系列传感器具有坚固的金属外壳，与标准化的光电传感器外形尺寸完全兼容。

主要特点

- › 坚固的金属外壳 › 应用于恶劣的工业环境
- › 燕尾型安装导轨 › 可快速安装
- › 机械尺寸和工业标准兼容 › 光电传感器理想的替代品
- › IO-Link 接口 › 支持最新的工业标准
- › 智能传感器配置文件 › IO-Link设备之间更透明
- › 自动同步 › 最多可支持10个传感器近距离同步工作

基本特点

- › UL认证符合加拿大和美国安全标准
- › 2 Push-Pull switching outputs › pnp or npn basis
- › Antivalent switching output F1
- › 使用按键来进行microsonic的示教
- › 0.1 mm 分辨率
- › 温度补偿
- › 工作电压10~30 V
- › LinkControl › 可以通过连接电脑来配置传感器参数

坚固的金属外壳

ucs传感器坚固的金属外壳与工业标准的光电传感器相互兼容。可以旋转的接插件可以灵活的选择安装位置并使接线更加灵活。

ucs 传感器



2个推挽式开关量输出，可选在带有IO-link接口的pnp或者npn电路中

By default, switching output F1 works antivalent to switching output F2. Using LinkControl or IO-Link, the antivalence of switching output F1 can be canceled.

自学习按钮

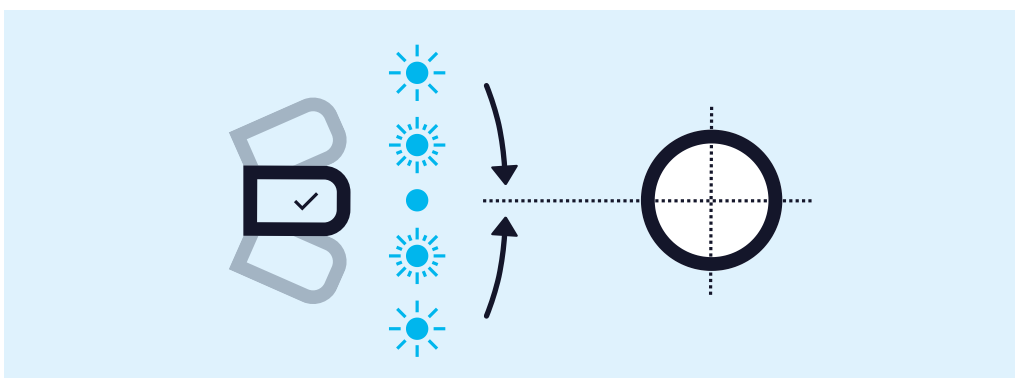
传感器顶部的自学习按钮，使得对所需的检测点和工作模式的设置变得非常方便。

一个双重LED灯

显示两个开关量输出的开关状态。

New! With the internal alignment assistance

the sensor can be optimally aligned to the object during installation.

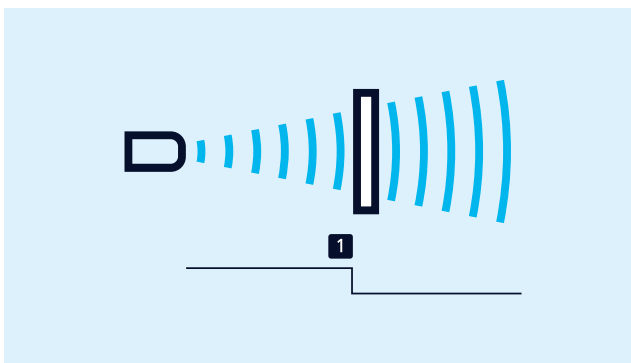


ucs 传感器有三种工作模式：

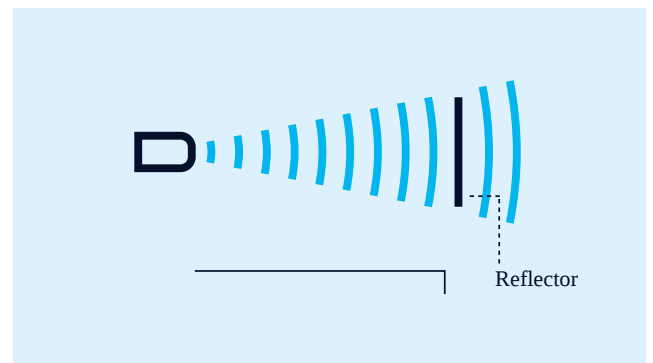
- 单开关点模式
- 窗口模式
- 反射板式

开关量输出的设置通过如下步骤：

- 将传感器放置在想要的检测距离处，使其被检测到。按下按钮大约3秒，再次按下按钮大约1秒，设置完毕。窗口模式和反射板式也可以用同样简单的方法设置。



Teach-in of a switching point



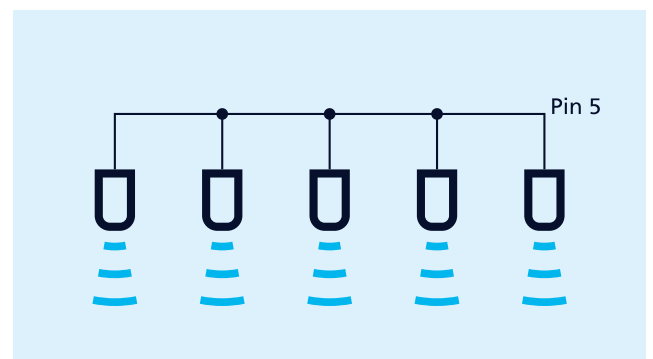
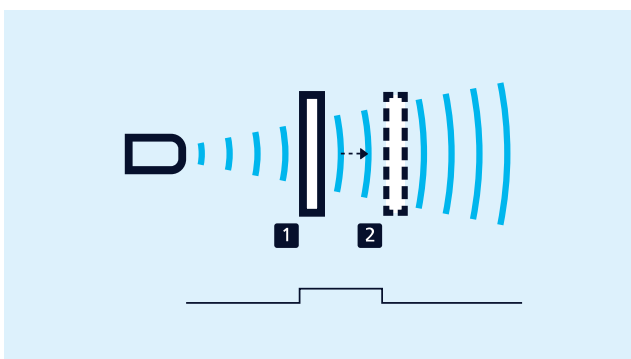
Teach-in of a two-way reflective barrier

A two-way reflective barrier

can be set up with the help of a permanently mounted reflector by mounting the ucs sensor and the reflector, then pressing the button for approx. 3 seconds and then pressing it once more for approx. 10 seconds. Now, the two-way reflective barrier has been set.

Set a window

by initially positioning the object to be detected on the sensor-close window limit (1), pressing the button for approx. 3 seconds, shifting the object to the sensor-distant window limit (2) and pressing the button once more for approx. 1 second. Ready.



Up to ten sensors

can be synchronised with one another. To do this, all the sensors are electrically connected on pin 5 on the M12 circular connector.

If more than 10 sensors must be synchronised, this can be carried out with the SyncBox1 , which is available as an accessory

LinkControl

optionally permits the extensive parameterisation of ucs sensors. The LCA-2 LinkControl adapter, which is available as an accessory, can be used to connect ucs sensors to the PC.



Sensor connected to the PC via LCA-2 for programming

集成IO-Link

在1.1.2版中，Ipc+传感器配备了智能传感器配置文件，从而使得IO-link设备之间的通讯更简便。

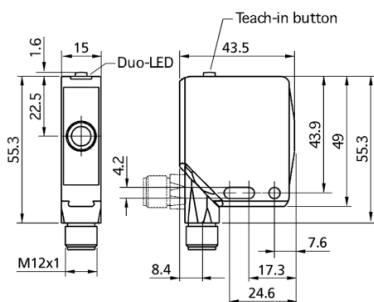
You have special requirements?

Nothing as simple as that.

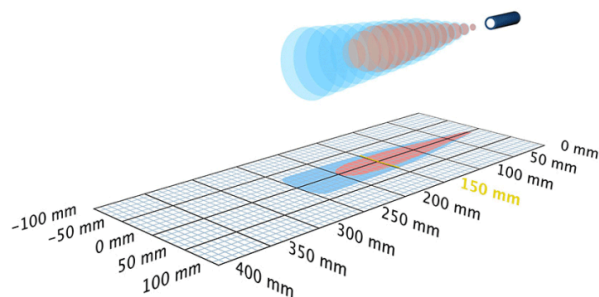
With us, you can easily find an individual solution. Let us talk about your application: +49 231 97 51 51-82.

ucs-15/CDD/QM

比例图



检测区域



有后续型号可供选择

ucs-15/CFF

2 x pnp

250 mm

设计

콜로이드

工作模式

 근접 스위치/반사모드
 반사 센서
 원도우 모드

特性

 quaderförmig
 schlankes Schallfeld

超声波特性

测量方法

에코 전파 시간

换能器频率

380 kHz

盲区

20 mm

检测范围

150 mm

最大检测范围

250 mm

分辨率

0.10 mm

重复精度

 $\pm 0.15 \%$

精度

 $\pm 1 \%$ (온도 변화 내부 보상)

电气数据

工作电压 U_B

10 - 30 V d.c., 역극성 보호

电压脉动

 $\pm 10 \%$

空载电流损耗

 $\leq 40 \text{ mA}$

连接类型

5-핀 M12 규격 플러그

输出量

输出 1	스위칭 출력 pnp: $I_{\text{최대}} = 500 \text{ mA}$ ($U_B - 2V$) NOC/NCC 조정가능, 쇼트 보호회로
Ausgang 2	스위칭 출력 pnp: $I_{\text{최대}} = 500 \text{ mA}$ ($U_B - 2V$) NOC/NCC 조정가능, 쇼트 보호회로
开关回滞	2.0 mm
开关频率	25 Hz
响应时间	24 ms
上电延时	< 300 ms

输入

输入 1	com 입력
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外壳

材质	zinc 다이캐스팅, 플라스틱 부분PBT
超声波换能器	폴리우레탄 폼, 글라스-에폭시 수지
防护等级EN 60529	IP 67
工作温度	-25°C to +70°C
储存温度	-40°C to +85°C
重量	75 g

技术特点/特性

温度补偿	否
控制装置	1 push-button com input
设定范围	Teach-in via push-button LCA-2 with LinkControl
同步	否
多通道的	否
指示灯	1 x Duo-LED; 녹색 동작중/ 황색: 스위치 상태

附件

可配置的附件	KST5A-2/M12 KST5A-5/M12 KST5G-2/M12 KST5G-5/M12 LCA-2 LCA-2 Koffer
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引脚分配

