

TURCK

智動化 超聲波 工程傳感器



德國製造 **U2**
圖爾克的超聲波技術
生態智能及全功能考量型
機械製造及生產設備流程應用



Your Global Automation Partner

ECO Series



Based on state-of-the-art transducer technology, a new ultrasonic sensor has been developed which, despite its economy orientation, does not compromise on quality.

The devices in the plastic threaded barrel are made of highly resistant liquid crystal polymer (LCP), the translucent end cap with M12 connector output is made of Ultem. The customer can choose between a variant with M12 connector output and a variant with cable output. The translucent end cap also has the advantage that the switching status of the sensor can be clearly seen from almost any angle.

Features

- 生態系列智能型，預設定距離內防呆設計，無需示教按鈕
- 產品本體塑脂為液晶聚合物(LCP)抗環境
- 特別的需求，可由PIN 2及PIN 4的示教接線功能
- 溫度飄移補償功能

RU50U系列

德國製造
made in Germany

根據EN60947-5-2標準



推薦產品型號	Ident no.	精度	檢測(盲區)距離	特性摘要
RU50U-S18-AP8X	100000394	0.2mm		PNP/N.O. 15-30VDC
RU50U-S18-AN8X	100000984	0.2mm		NPN/N.O. 4 Wire直接出線2m型
RU50U-S18-AP8X-H1141	100000746	0.2mm	應答速度300KHz	PNP/N.O. 15-30VDC
RU50U-S18-AN8X-H1141	100000983	0.2mm	Sonic Cone 聲波曲線	NPN/N.O. M12-4Pin接頭型
RU50U-S18-LI8X	100000747	0.2mm		4...20mA 15-30VDC
RU50U-S18-LU8X	100000749	0.2mm		0...10V 4 Wire直接出線2m型
RU50U-S18-LI8X-H1141	100000748	0.2mm		4...20mA 15-30VDC
RU50U-S18-LU8X-H1141	100000750	0.2mm		0...10V M12-4Pin接頭型

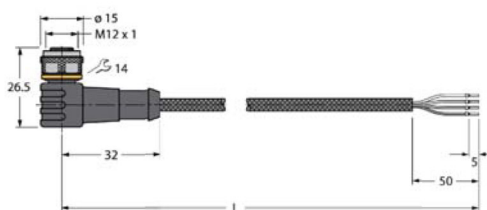
Connectivity M12-4Pin

Cable [m]	ID number	PUR Cable 直線型
2m	6625503	RKC4.4T-2/TXL
5m	6625504	RKC4.4T-5/TXL
10m	6625505	RKC4.4T-10/TXL

Cable [m]	ID number	PUR Cable 直角型
2m	6625515	WKC4.4T-2/TXL
5m	6625516	WKC4.4T-5/TXL
10m	6625517	WKC4.4T-10/TXL



單位:mm

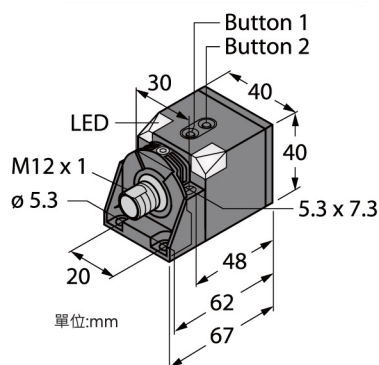


RU50U系列更多規格請另洽

Rectangular Series



The rectangular CK40 with integrated connector, and the advantages of a large detection range with a wide opening angle and a very small blind zone. These sensors are thus ideally suited for safe detection of objects that provide only a weak reflection signal due to their geometry or are moved in a large environment. Both the switching as well as the measuring devices can be customized easy to use via teach button.



Features

- 堅固工程樹脂本體，歐式工程規範設計
- 特別適合檢測小反射面的物體，例如被檢測物表面不規則或檢測面與傳感器之間有一定的夾角，可以經由示教按鈕方便的設定傳感器的檢測距離
- 大檢測距離、角度及極小的盲區
- 雙示教按鈕教導設定

RU200系列

德國製造



made in Germany

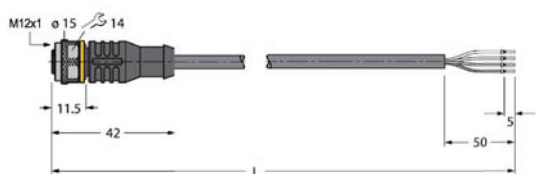
根據EN60947-5-2標準



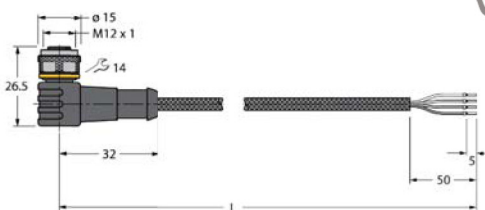
推薦產品型號	Ident no.	精度	檢測(盲區)距離	特性摘要
RU200-CK40-2UP8X2T-H1151	1610051	1mm	50 mm 2000 mm(2M) 應答速度120KHz	PNP/N.O.+N.C. 15-30VDC M12-5Pin 接頭型
RU200-CK40-2UN8X2T-H1151	1610057	1mm		NPN/N.O.+N.C.
RU200-CK40-LIU2P8X2T-H1151	1610053	1mm	Sonic Cone 聲波曲線	PNP/N.O.+N.C. 4...20mA+0-10V 15-30VDC M12-5Pin 接頭型
RU200-CK40-LIU2N8X2T-H1151	1610058	1mm		NPN/N.O.+N.C. 4...20mA+0-10V

Connectivity M12-5Pin

Cable [m]	ID number	PUR Cable 直線型
2m	6625506	RKC4.5T-2/TXL
5m	6625507	RKC4.5T-5/TXL
10m	6625508	RKC4.5T-10/TXL



Cable [m]	ID number	PUR Cable 直角型
2m	6625518	WKC4.5T-2/TXL
5m	6625519	WKC4.5T-5/TXL
10m	6625520	WKC4.5T-10/TXL



RU200系列更多規格請另洽

High-END Series



The very robust compact variant offers ranges up to **6m** and is available in straight and angled design. The compact devices are especially suited for use in applications with restricted installation conditions. Little installation effort and high availability make commissioning and maintenance easier for the user.

Features

- 堅固金屬外殼設計
- **High-END Series** 高密度檢測面，具有換能器功能，經由機械微震動清除膜面沉積微粒，實現自動清潔功能
- 集多功於一體，Push-Pull(PNP/NPN)輸出
Analog(4...20mA/0-10V)輸出
雙示教按鈕 / IO-Link功能

RU300U/600U系列

德國製造

made in Germany

根據EN60947-5-2標準



推薦產品型號

Ident no.

精度

檢測(盲區)距離

特性摘要

**RU300U-M30E-LIU2PN8X2T
-H1151**

1610048

1mm



應答速度120KHz

**RU600U-M30E-LIU2PN8X2T
-H1151**

1610049

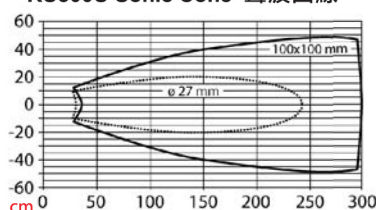
1mm



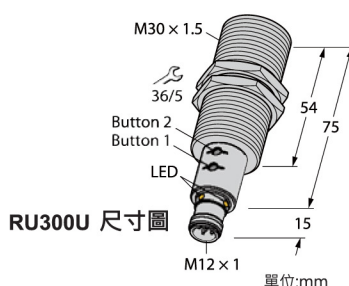
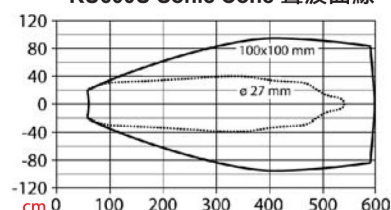
應答速度75KHz



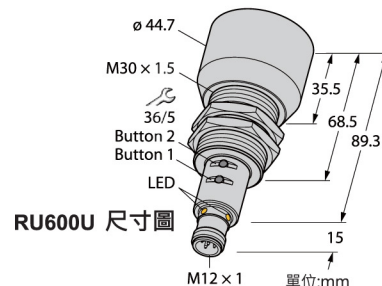
RU300U Sonic Cone 聲波曲線



RU600U Sonic Cone 聲波曲線



RU300U 尺寸圖



RU600U 尺寸圖

Connectivity M12-5Pin

Cable [m] ID number PUR Cable 直線型

2m 6625506 RKC4.5T-2/TXL

5m 6625507 RKC4.5T-5/TXL

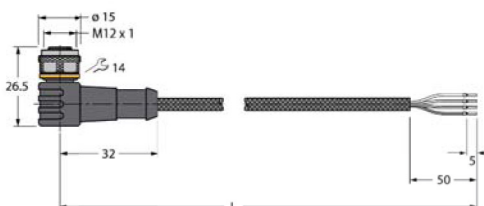
10m 6625508 RKC4.5T-10/TXL

Cable [m] ID number PUR Cable 直角型

2m 6625518 WKC4.5T-2/TXL

5m 6625519 WKC4.5T-5/TXL

10m 6625520 WKC4.5T-10/TXL



RU300U/RU600U系列更多規格請另洽

High-END Series



The very robust compact variant offers ranges up to **1.3m** and is available in straight and angled design. The compact devices are especially suited for use in applications with restricted installation conditions. Little installation effort and high availability make commissioning and maintenance easier for the user.

Features

- 堅固金屬外殼設計
- **High-END Series** 高密度檢測面，具有換能器功能，經由機械微震動清除膜面沉積微粒，實現自動清潔功能
- 集多功於一體，Push-Pull(PNP/NPN)輸出
Analog(4...20mA/0-10V)輸出
雙示教按鈕 / IO-Link功能

RU40U/130U系列

德國製造
made in Germany

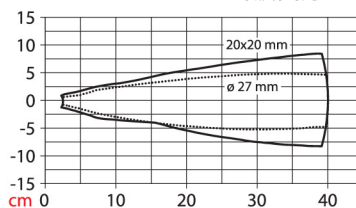
根據EN60947-5-2標準



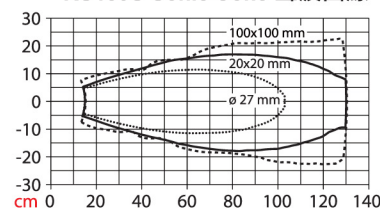
推薦產品型號	Ident no.	精度	檢測(盲區)距離	特性摘要
RU40U-M18E-LIU2PN8X2T-H1151	1610024	0.5mm	25 mm 400 mm	應答速度300KHz
RU130U-M18E-LIU2PN8X2T-H1151	1610026	1mm	150 mm 1300 mm(1.3M)	應答速度200KHz
RU40U-M18ES-LIU2PN8X2T-H1151	1610025	0.5mm	25 mm 400 mm	應答速度300KHz
RU130U-M18ES-LIU2PN8X2T-H1151	1610027	1mm	150 mm 1300 mm(1.3M)	應答速度200KHz



RU40U Sonic Cone 聲波曲線



RU130U Sonic Cone 聲波曲線



Connectivity M12-5Pin

Cable [m] ID number PUR Cable 直線型

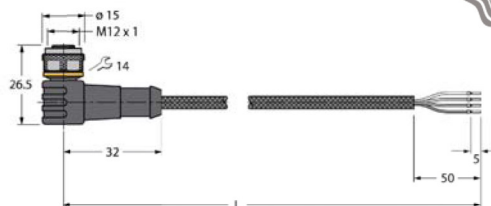
2m	6625506	RKC4.5T-2/TXL
5m	6625507	RKC4.5T-5/TXL
10m	6625508	RKC4.5T-10/TXL

Cable [m] ID number PUR Cable 直角型

2m	6625518	WKC4.5T-2/TXL
5m	6625519	WKC4.5T-5/TXL
10m	6625520	WKC4.5T-10/TXL



單位:mm



RU40U/RU130U系列更多規格請另洽



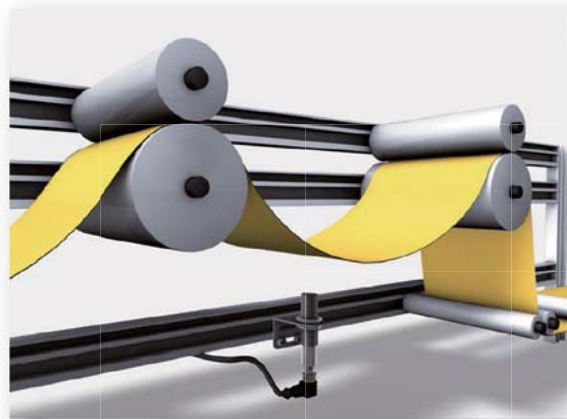
High-END Series 堅固的金屬外殼



高密度光滑的換能器膜面，不易沾黏沉積微粒



超聲波檢測透明車窗，不受表面顏色影響，其他座椅、車頂位置、升降等控制



超聲波檢測金屬導片(捲片)不受被測物表面顏色、磨損度及灰塵的影響，及其他張力及相對應速度的控制



德國總公司工廠(其一)

台灣總代理
e-sensors®
 台灣傳威科技有限公司
 TEL: +886-7-7323606
 FAX: +886-7-7333023
 E-mail: ez-corp@umail.hinet.net
 www.e-sensors.com.tw