Your Global Automation Partner



RU Ultrasonic Sensors Compact Sensors with IO-Link





Mute Function for Multiplexing

Turck is expanding the simple "Compact" range of its ultrasound sensors to include a variant with IO-Link output. Users can deploy IO-Link as the process value or continue to use the sensor's switching output. The switchpoint is taught in via IO-Link or, as before, via a teach adapter.

In addition to the familiar benefits of IO-Link, such as cost-efficient wiring, intelligent data storage and predictive maintenance, the sensor offers a special feature in the form of the mute function. This function enables the sound transducer to be turned on or off in a targeted manner via the IO-Link master. This facilitates the synchronized or staggered operation (multiplexing) of several sensors via the control unit. Previously, synchronous or multiplex operation were only possible with complex wiring solutions.

The compact RU-U sensors with IO-Link are available in M18 housing with ranges of 40 and 100 cm, in straight or angled diffuse sensor mode or retroreflective mode.

The RU ultrasonic sensor series from Turck consists of three types the compact, the standard and the high-end variants. The three types offer different functions and output options. The entire series offers extensive ranges with short blind zones, thanks to optimized control electronics. The smooth face of the sound transducer prevents the adhesion of dirt and moisture.

Your Benefits

- Flexible use with IO-Link communication
- Compatible with switching or measuring applications
- Simple setup
- High availability thanks to robust design





RU Compact Sensors with IO-Link

Product Highlights

- Simple teach-in
- Diffuse- or retroreflective operating mode
- Robust and compact M18 metal housing
- Smooth sonic transducer face
- Mute function for multiplexing
- Ranges of 2.5...40 cm and 15...100 cm
- Protection class IP67

Compact IO-Link

Design	Type code	ID number	Sensing range	
Straight	RU40U-M18M-AP8X2-H1151	1610094	2.540 cm	
0))**	RU100U-M18M-AP8X2-H1151	1610095	15100 cm	
Angled	RU40U-M18MS-AP8X2-H1151	1610105	2.540 cm	
	RU100U-M18MS-AP8X2-H1151	1610106	15100 cm	

an i Sanatan a G		
and an and a second second		
and a state of the	-	
Press Banks		
The local distance of		Statement of the local division of the local
		A Real
the during farmance		
and an dark in range		
Contraction of the local division of the loc		
Franker Piller	and the second second second	
	trans - mail-ranks	T-00
		marks.
	Constant or other days	
	And and the	All and a second s
Refutation .	and and a second second	84
Address form markeds		Constantine Constant
Printer Test delarmate		10 million (1997)
Positive any veter		
Point Arts-Austory Multiput Ante Pressing		
Tandar B		1) 1
Denie D		
Barries and an an and the lot of the	-	A.(
Partice interested		
	The Party State	
Instante Subset 2. States	and the second s	8.0
		- 22
Bearing the back \$1.0 percent	manufactured (April	
Designed Strengt & Frank	Management of the local division of the loca	1.0
Description (Colored S.) Reserves (Co.) (20) Description (Colored S.) Reserves (Co.) (20)		
autor face (1-10)	and dealers and the	
	Aller and	
	and a set of the	
	-	
Reserved 2 in the reserves	and the second	
	and the second se	
Sector Providence Sector Providence Sector Providence		DDES

SIDI

Turck's "Simple IO-Link Device Integration" enables the configuration of IO-Link devices directly from the engineering environment, e.g., TIA Portal or CODESYS. During the system startup, the parameterization is performed automatically by the controller. This saves time, and allows configuration-free replacement of IO-Link masters and devices.

Did you know ...

- that IO-Link is a fundamental technology of the digital factory, and that Turck offers many other modules for Industry 4.0?
- that the Turck product range also includes IO-Link hubs and numerous sensors with IO-Link interfaces?



28 subsidiaries and over 60 representations worldwide! www.turck.com