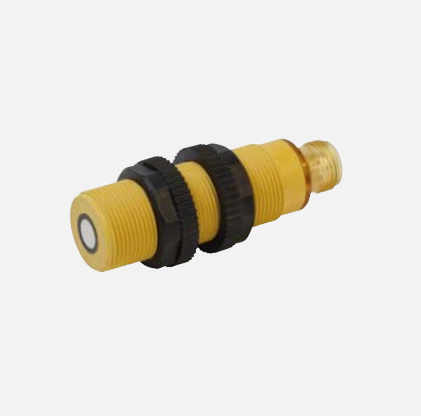
ECO Series – Cylindrical Design



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

- Optimum price/performance ratio
- Simple to use
- Robust sensors in plastic housing with integrated LED display
- Analog or switching output
- Teach-Function via PIN 2 or PIN 4

Type code

RU 50 U – S18 – A P 8 X – H1 1 4 1

RU 50 U Series – **S18** Design – **A P 8 X** Electrical version –

Series
- **U** universal
- **L** retroreflective

Range
- **…** [cm]

Functional principal
- **RU** ultrasonic

Housing
- **S…** threaded barrel, plastic, Ø in [mm]

Display
- **X** LED

Voltage range
- **8** 15…30 VDC

Output type
- **N** NPN output
- **P** PNP output

Output function
- **A** NO
- **LU** analog output voltage 0…10 V
- **LI** analog output rurrent 4…20 mA

H1 1 4 1 Electrical connection: connector

Assignment
- **1** assignment acc. to norm

Number of pins
- **4** number of pins

Connector form
- **1** straight

Connector type
- **H1** connector M12 × 1

ECO Series – S18 – Diffuse Mode/Mode–Switching/Measuring

General data			
Operating voltage	15…30 VDC	**Transducer material**	Plastic, epoxy resin and PU-foam
DC rated operating current	≤ 150 mA	**Protection class**	IP67
Ambient temperature	-20…+50 °C	**Temperature drift**	± 1.5 % of full scale
Housing material	Plastic, LCP		

Types and Data – Selsction table

Type	Ident. no.	Output	Electrical connection	Operating mode
RU50U-S18-AP8X	100000394	Swiching output PNP	Cable 2 m	Diffuse
RU50U-S18-AN8X	100000984	Swiching output NPN	Cable 2 m	Diffuse
RU50U-S18-AP8X-H1141	100000746	Swiching output PNP	Connector M12 x 1	Diffuse
RU50U-S18-AN8X-H1141	100000983	Swiching output NPN	Connector M12 x 1	Diffuse
RU50L-S18-AP8X	100002165	Swiching output PNP	Cable 2 m	Retroflective
RU50L-S18-AN8X	100002166	Swiching output NPN	Cable 2 m	Retroflective
RU50L-S18-AP8X-H1141	100002167	Swiching output PNP	Connector M12 x 1	Retroflective
RU50L-S18-AN8X-H1141	100002168	Swiching output NPN	Connector M12 x 1	Retroflective
RU50U-S18-LI8X	100000747	4…20 mA	Cable 2 m	Diffuse
RU50U-S18-LU8X	100000749	0…10 V	Cable 2 m	Diffuse
RU50U-S18-LI8X-H1141	100000748	4…20 mA	Connector M12 x 1	Diffuse
RU50U-S18-LU8X-H1141	100000750	0…10 V	Connector M12 x 1	Diffuse