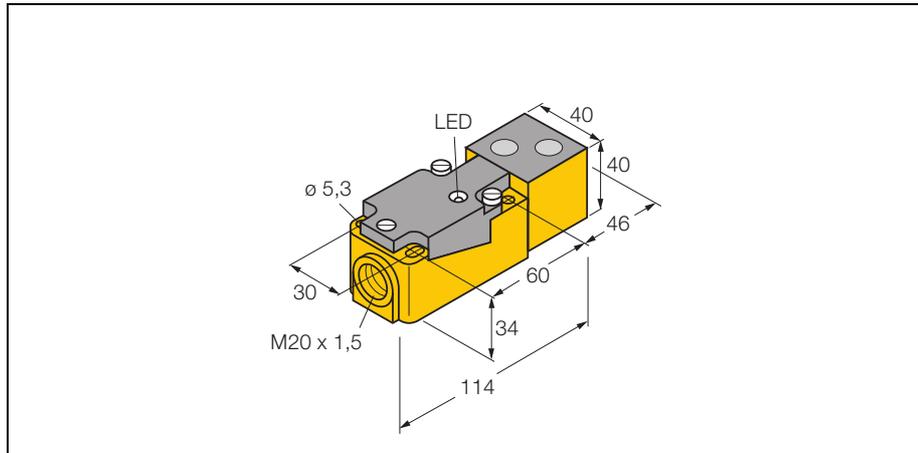
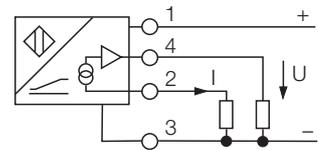


**ultrasonic sensor  
diffuse mode sensor  
RU100-CP40-LIUX**



- analogue output, 0...10 V and 0...20 mA
- rectangular
- opening angle of sonic cone 60°
- Terminal chamber
- an initial range value between 5...100 cm and the axial width between 10...100 cm are adjustable within the analogue range

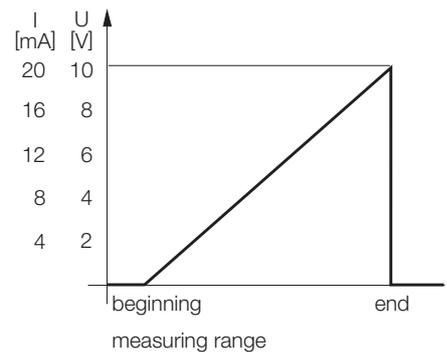
**Wiring diagram**



**Functional principle**

Ultrasonic sensors use ultrasonic waves for non-contact and wear-free detection of a large variety of objects. It does not matter whether the object is transparent or opaque, metallic or non-metallic, or of liquid, solid or powdery consistence. Environmental conditions such as spray, dust or rain hardly affect their function.

**Characteristic**



<b>Type</b>	RU100-CP40-LIUX
Ident-No.	15349
<b>Range</b>	5... 180 cm
Ultrasound frequency	40 kHz
Temperature drift	0.4 % / K
Repeatability	± 5 mm
Edge lengths of the nominal actuator	200 mm
Pass speed	2 m/s
Approach speed	1 m/s
Ambient temperature	0...+ 70 °C
<b>Operating voltage</b>	15... 30VDC
No-load current I <sub>0</sub>	20 mA
Current output	0... 20 mA
Load resistance	500 Ω
voltage output	0... 10 V
Load resistance	≥ 4700 Ω
Short-circuit protection	yes
Reverse polarity protection	complete
Wire breakage protection	yes
<b>Housing</b>	rectangular, CP40
Dimensions	160 x 40 x 40 mm
Housing material	plastic, PBT-GF30-V0
Connection	Terminal chamber
Degree of protection	IP40
<b>Operating voltage display</b>	LED yellow
Display ' Object detected '	LED yellow flashing