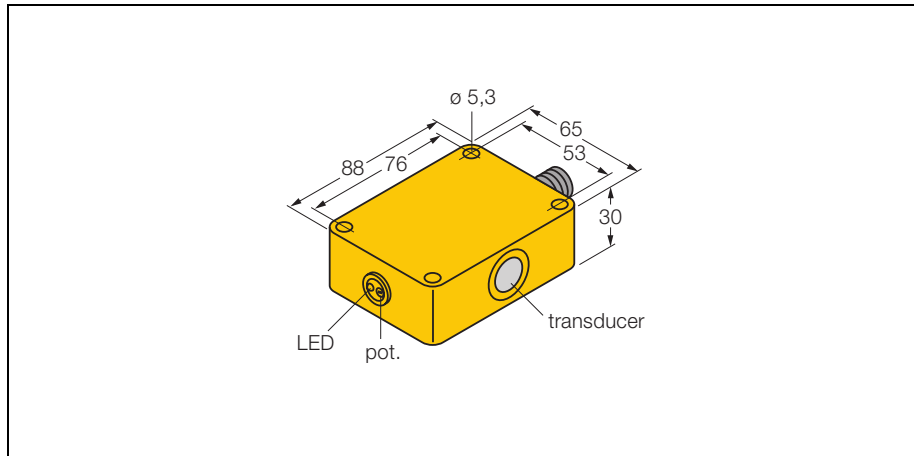
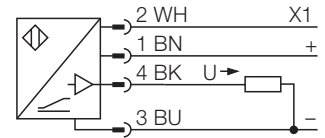


**ultrasonic sensor  
diffuse mode sensor  
RU30-Q30-LUX-H1141**



- ultrasonic sensor
- upper analogue range value adjustable via potentiometer
- analogue output, 0...10 V
- "object detected" indication
- synchronizable
- opening angle of sonic cone 6°

**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.

<b>Type</b>	RU30-Q30-LUX-H1141
Ident-No.	1820005
<b>Range</b>	6... 30 cm
Ultrasound frequency	400 kHz
Temperature drift	0.17 % / K
Repeatability	≥ ± 0.45 mm
Edge lengths of the nominal actuator	10 mm
Pass speed	1.5 m/s
Approach speed	4 m/s
Ambient temperature	0...+ 55 °C
<b>Operating voltage</b>	18... 35VDC
No-load current I <sub>0</sub>	35 mA
voltage output	0... 10 V
Load resistance	≥ 1000 Ω
Short-circuit protection	yes / cyclic
Reverse polarity protection	complete
Wire breakage protection	yes
<b>Housing</b>	rectangular, Q30
Dimensions	88 x 65 x 30 mm
Housing material	plastic, PBT-GF30-V0
Connection	connectors, M12 x 1
Degree of protection	IP65
<b>Display ' Object detected '</b>	LED yellow

