ultrasonic sensor
diffuse mode sensor
RU600-M3065-AP8X-H1141

TURCK

Industrial
Automation

- **Lower and upper switching value adjustable via potentiometer**
- **PNP transistor output (NO contact)**
- **Opening angle of sonic cone 6°**

Wiring diagram
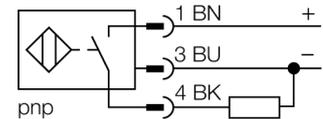
Functional principle

Ultrasonic sensors use ultrasonic waves for non-contact and wear-free detection of many objects. Regardless of whether the object is transparent or opaque, metallic or non-metallic, or of liquid, solid or powdery consistency. Even environmental conditions such as spray, dust or rain hardly affect their function.
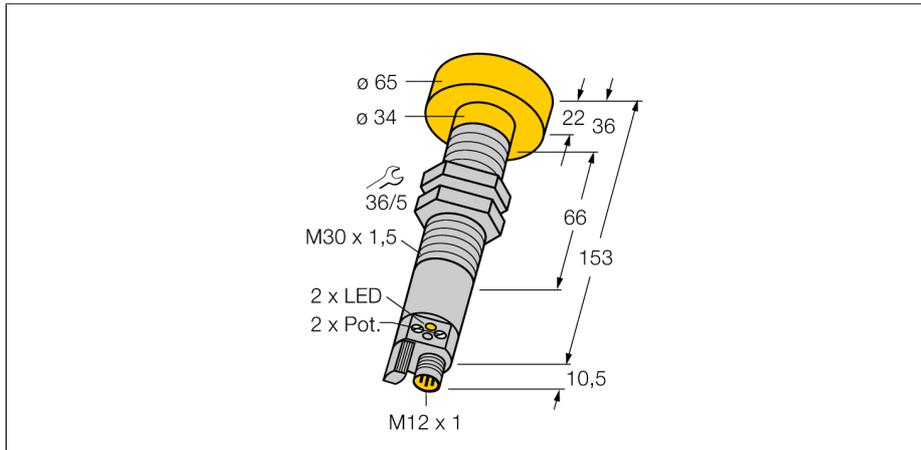
Type	RU600-M3065-AP8X-H1141
Ident-No.	18304
Range	60…600 cm
Ultrasound frequency	80 kHz
Temperature drift	$\leq$ 0.17 % / K
Repeatability	$\geq \pm$ 9 mm
Edge lengths of the nominal actuator	100 mm
Hysteresis	$\leq$ 60 mm
Pass speed	$\leq$ 3.7 m/s
Approach speed	$\leq$ 18 m/s
Ambient temperature	-25…+70 °C
Operating voltage	20…30VDC
DC rated operational current	$\leq$ 300 mA
No-load current I_0	$\leq$ 50 mA
Output function	NO contact, PNP
Short-circuit protection	yes/ cyclic
Reverse polarity protection	complete
Switching frequency	$\leq$ 1 Hz
Voltage drop at I_e	$\leq$ 3 V
Wire breakage protection	yes
Design	cylindrical/threaded, M30
Dimensions	163.5 mm
Housing diameter	Ø 65 mm
Thread length	66 mm
Housing material	Metal, CuZn, nickel-plated
Connection	connector, M12 x 1
Protection class	IP65
Switching state	LED
Display ' Object detected '	LED