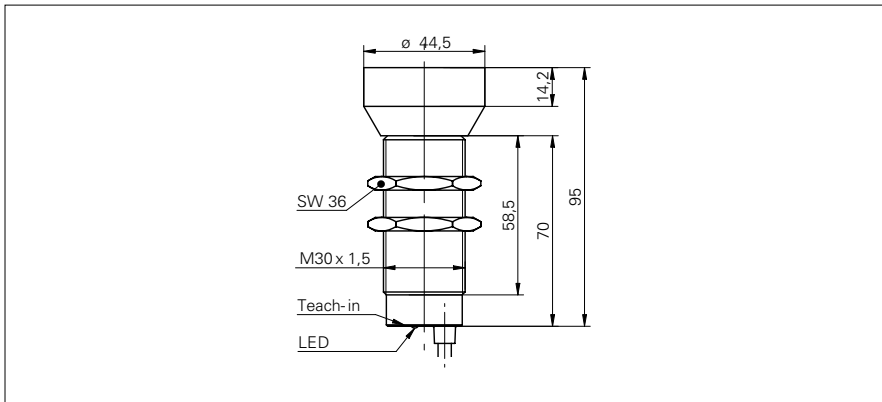


**Ultrasonic proximity sensors**

**UZAM 50N6121**

**dimension drawing**



**general data**

special type	2 point proximity switch
scanning range Sd	350 ... 2500 mm
scanning range far limit Sde	350 ... 2500 mm
hysteresis typ.	4 % Sde
repeat accuracy	< 1 mm
temperature drift	< 2 % Sde
response time ton	< 160 ms
release time toff	< 160 ms
sonic frequency	120 kHz
adjustment	Teach-in
alignment aid	target indication flashing
output indicator	green / yellow LED

**electrical data**

voltage supply range +Vs	12 ... 30 VDC
current consumption max. (no load)	40 mA
output circuit	NPN make function (NO)
output current	< 200 mA
voltage drop Vd	< 2 VDC
residual ripple	< 10 % Vs
short circuit protection	yes
reverse polarity protection	yes

**mechanical data**

type	cylindrical threaded
housing material	brass nickel plated
width / diameter	30 mm
height / length	95 mm
connection types	cable, 2 m

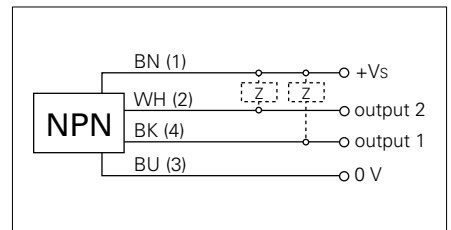
**ambient conditions**

operating temperature	-10 ... +60 °C
protection class	IP 67

**photo**



**connection diagram**



- Two separate outputs
- long sensing distance

**Ultrasonic proximity sensors**

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**typical sonic cone profile**

