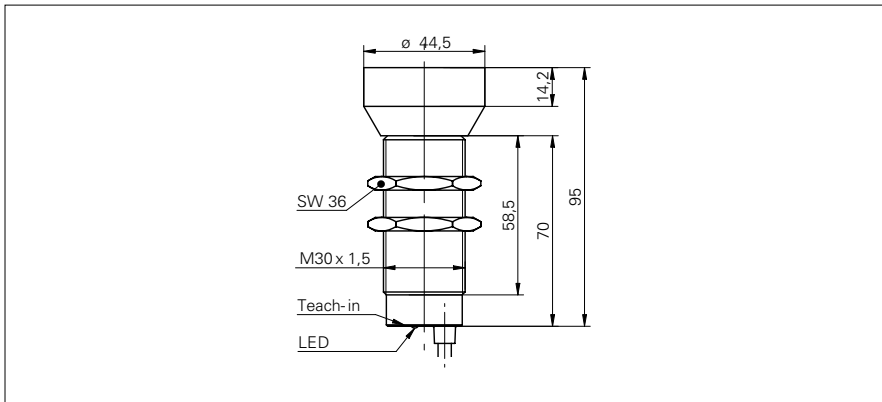


**Ultrasonic retro-reflective sensors**

**URAM 50P7121**

**dimension drawing**



**general data**

scanning range Sd	0 ... 3000 mm
reflector position Sde	600 ... 3000 mm
adjusting range reflector (operating range)	± 4 % Sde
adjusting range reflector (limit range)	± 6 % Sde
repeat accuracy	< 3 mm
temperature drift	< 2 % Sde
synchronization	yes
multiplex version	on request
response time ton	< 160 ms
release time toff	< 160 ms
sonic frequency	120 kHz
adjustment	Teach-in
alignment aid	target indication flashing
output indicator	LED green

**electrical data**

voltage supply range +Vs	12 ... 30 VDC
current consumption max. (no load)	35 mA
output circuit	PNP break function (NC)
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	cabl, 2 m

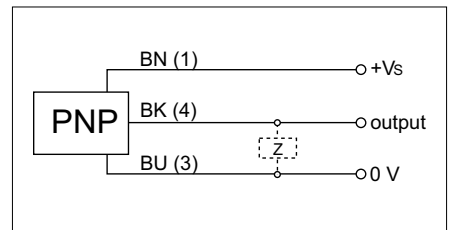
**ambient conditions**

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

**photo**



**connection diagram**



- Reflector position set by Teach-in
- no blind spot area for objects > 100 mm

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**typical sonic cone profile**

