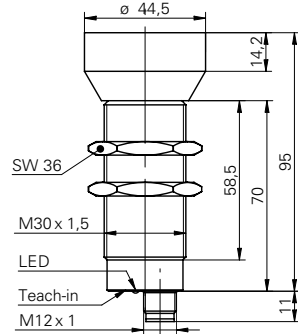


Ultrasonic distance measuring sensors

UNAM 50 Ultrasonic sensors

sample drawing



Teach-in = Teach-in or potentiometer

general data

scanning range sd	400 ... 2500 mm
scanning range close limit Sdc	400 ... 2500 mm
scanning range far limit Sde	400 ... 2500 mm
repeat accuracy	< 1 mm
resolution	< 0,3 mm
response time ton	< 160 ms
release time toff	< 160 ms
temperature drift	< 2 % of distance to target So
sonic frequency	120 kHz
adjustment	Teach-in
alignment aid	target indication flashing
light indicator	yellow LED / red LED

electrical data

voltage supply range +Vs	15 ... 30 VDC
output current	< 20 mA
residual ripple	< 10 % Vs
short circuit protection	yes
reverse polarity protection	yes

voltage output

current consumption max. (no load)	35 mA
output signal	0 ... 10 V / 10 ... 0 V

current output

current consumption max. (no load)	55 mA
output signal	4 ... 20 mA / 20 ... 4 mA
load resistance +Vs max.	< 1100 Ohm
load resistance +Vs min.	< 400 Ohm

mechanical data

type	cylindrical threaded
housing material	brass nickel plated
width / diameter	30 mm
height / length	95 mm

ambient conditions

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

sample picture





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order reference	output circuit	connection types
UNAM 50I6121	current output	cable, 2 m
UNAM 50I6121/S14	current output	connector M12
UNAM 50U6121	voltage output	cable, 2 m
UNAM 50U6121/S14	voltage output	connector M12