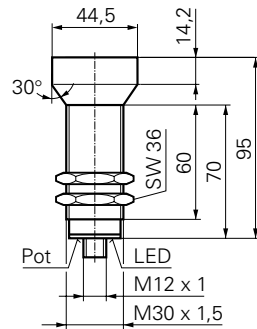


## Ultrasonic proximity sensors

## UNAM 50 Ultrasonic sensors

### sample drawing



### general data

scanning range sd	350 ... 2500 mm
scanning range far limit Sde	350 ... 2500 mm
hysteresis typ.	4 % Sde
repeat accuracy	< 1 mm
synchronization	yes
temperature drift	< 0,18 % Sde/K
response time ton	< 160 ms
release time toff	< 160 ms
sonic frequency	120 kHz
adjustment	potentiometer
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 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

### ambient conditions

operating temperature	-25 ... +60 °C
protection class	IP 67

### sample picture



## Ultrasonic proximity sensors

## UNAM 50

### Ultrasonic sensors

order reference	output circuit	connection types
UNAM 50N1721	NPN make function (NO)	cable, 2 m
UNAM 50N1721/S14	NPN make function (NO)	connector M12
UNAM 50N3721	NPN break function (NC)	cable, 2 m
UNAM 50N3721/S14	NPN break function (NC)	connector M12
UNAM 50P1721	PNP make function (NO)	cable, 2 m
UNAM 50P1721/S14	PNP make function (NO)	connector M12
UNAM 50P3721	PNP break function (NC)	cable, 2 m
UNAM 50P3721/S14	PNP break function (NC)	connector M12