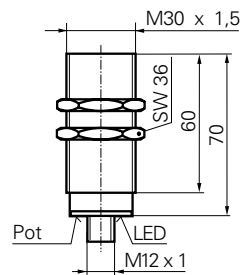


## Ultrasonic proximity sensors

## UNAM 30

## sample drawing



## general data

scanning range sd	200 ... 1500 mm
scanning range far limit Sde	200 ... 1500 mm
hysteresis typ.	4 % Sde
repeat accuracy	< 1 mm
temperature drift	< 0,18 % Sde/K
response time ton	< 100 ms
release time toff	< 100 ms
alignment aid	target indication flashing
sonic frequency	200 kHz
output indicator	LED green
adjustment	potentiometer

## electrical data

voltage supply range +Vs	12 ... 30 VDC
current consumption max.	30 mA
output current	< 200 mA
voltage drop Vd	< 2 VDC
residual ripple	< 10 % Vs
short circuit protection	yes
reverse polarity protection	yes

## mechanical data

width / diameter	30 mm
height / length	70 mm
type	cylindrical
housing material	brass nickel plated

## ambient conditions

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

## sample picture



**Ultrasonic proximity sensors****UNAM 30**

<b>order reference</b>	<b>output circuit</b>	<b>connection types</b>
<b>UNAM 30N1104</b>	NPN make function (NO)	cable, 2 m
<b>UNAM 30N1104/S14</b>	NPN make function (NO)	connector M12
<b>UNAM 30N3104</b>	NPN break function (NC)	cable, 2 m
<b>UNAM 30N3104/S14</b>	NPN break function (NC)	connector M12
<b>UNAM 30P1104</b>	PNP make function (NO)	cable, 2 m
<b>UNAM 30P1104/S14</b>	PNP make function (NO)	connector M12
<b>UNAM 30P3104</b>	PNP break function (NC)	cable, 2 m
<b>UNAM 30P3104/S14</b>	PNP break function (NC)	connector M12