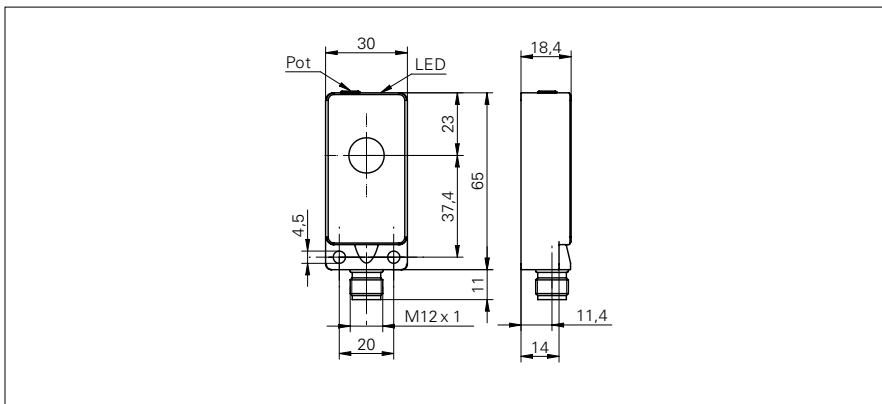


## Ultrasonic through beam sensors

## UEDK 30 (Receiver)

## sample drawing



## general data

emitter / receiver	receiver
scanning range $s_d$	0 ... 700 mm
scanning range far limit $S_{de}$	0 ... 700 mm
object size (at $S_d = 50$ mm)	> 2 cm <sup>2</sup>
hysteresis typ.	5 mm
repeat accuracy	< 3 mm
response time $t_{on}$	< 5 ms
release time $t_{off}$	< 5 ms
adjustment	potentiometer
alignment aid	target indication flashing
output indicator	LED green

## electrical data

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

## mechanical data

type	rectangular
housing material	polyester / die-cast zinc
width / diameter	30 mm
height / length	65 mm
depth	18,5 mm

## ambient conditions

operating temperature	0 ... +60 °C
protection class	IP 67

## sample picture



**Ultrasonic through beam sensors****UEDK 30 (Receiver)**

<b>order reference</b>	<b>output circuit</b>	<b>connection types</b>
<b>UEDK 30N5103</b>	NPN complementary	cable, 2 m
<b>UEDK 30N5103/S14</b>	NPN complementary	connector M12
<b>UEDK 30P5103</b>	PNP complementary	cable, 2 m
<b>UEDK 30P5103/S14</b>	PNP complementary	connector M12