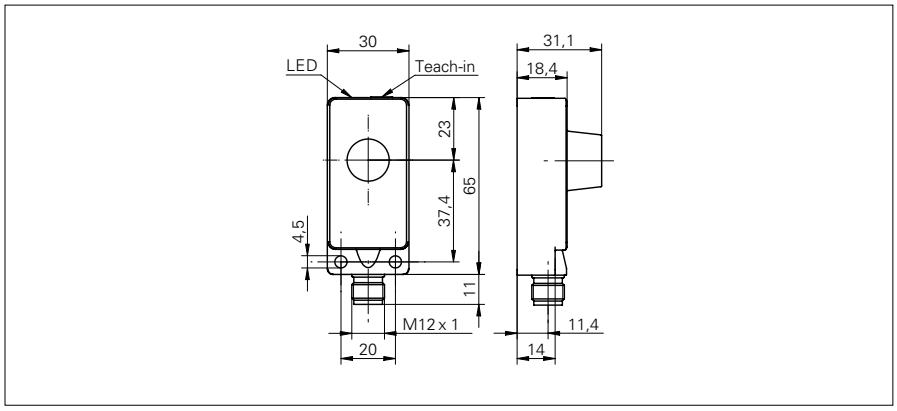
Ultrasonic distance measuring sensors

UNDK 30U6113/S14

dimension drawing



general data	
scanning range Sd	30 ... 250 mm
scanning range close limit Sdc	30 ... 250 mm
scanning range far limit Sde	30 ... 250 mm
repeat accuracy	< 0,5 mm
resolution	< 0,3 mm
response time ton	< 50 ms
release time toff	< 50 ms
temperature drift	< 2 % of distance to target So
sonic frequency	300 kHz
adjustment	Teach-in
alignment aid	target indication flashing
light indicator	yellow LED / red LED

electrical data	
voltage supply range +Vs	15 ... 30 VDC
current consumption max. (no load)	35 mA
output circuit	voltage output
output signal	0 ... 10 V / 10 ... 0 V
output current	< 20 mA
residual ripple	< 10 % Vs
short circuit protection	yes
reverse polarity protection	yes

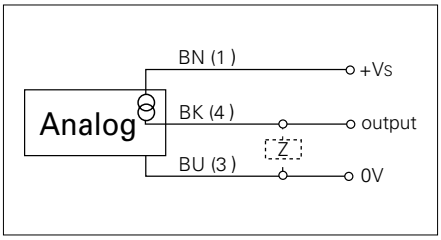
mechanical data	
type	rectangular
housing material	polyester / die-cast zinc
width / diameter	30 mm
height / length	65 mm
depth	31 mm
connection types	connector M12

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

photo



connection diagram

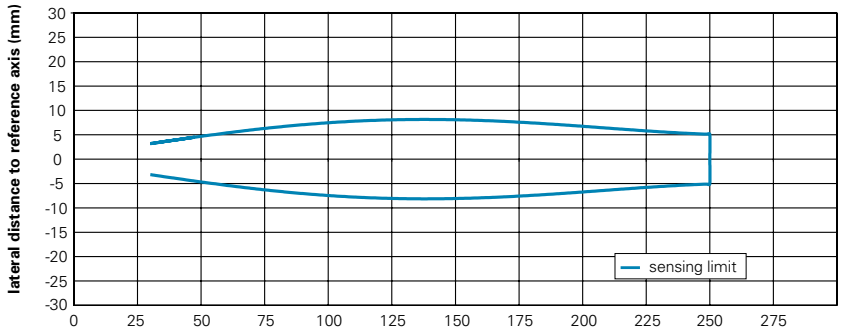


- Analog voltage output 0 - 10 V
- small blind range

Ultrasonic distance measuring sensors

UNDK 30U6113/S14

typical sonic cone profile



standard square target, size 15 x 15 mm, positioned perpendicularly to sensor's reference axis

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Baumer:

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