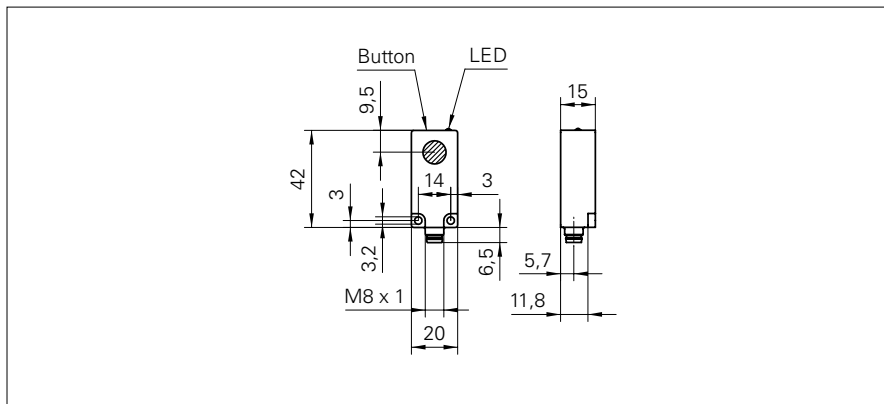


Ultrasonic analog sensors

UNDK 20 (Sd = 1000 mm)

sample drawing



general data

sensing range sd	100 ... 1000 mm
scanning range close limit Sdc	100 ... 1000 mm
scanning range far limit Sde	100 ... 1000 mm
repeatability	< 0,5 mm
resolution	< 0,3 mm
adjustment means	teach-in
sonic frequency	240 kHz
response time ton	< 80 ms
release time toff	< 80 ms
alignment aid	target display flashing
light indicator	yellow LED / red LED
temperature drift	< 2% of distance to target So

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.	35 mA
output signal	0 ... 10 V / 10 ... 0 V

current output

current consumption max.	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	rectangular
housing material	polyester
width / diameter	20 mm
height / length	42 mm
depth	15 mm
connection types	connector

sample picture



Ultrasonic analog sensors

UNDK 20 (Sd = 1000 mm)

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

types available	output circuit
UNDK 20I6903/S35A	current output
UNDK 20U6903/S35A	voltage output