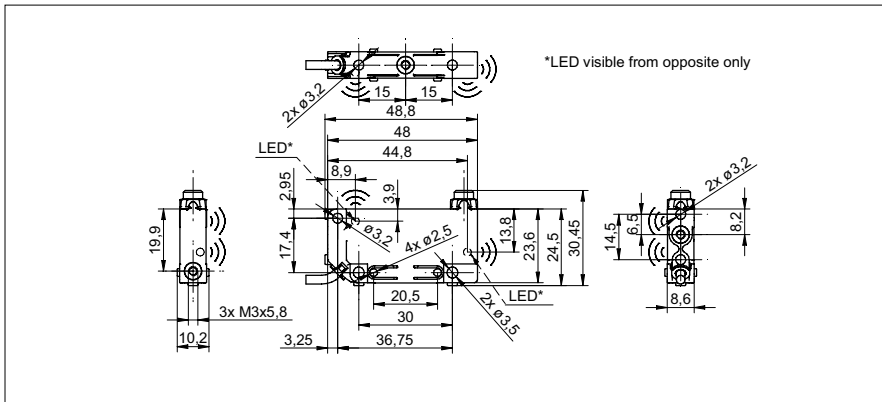


Ultrasonic distance measuring sensors

UNDK 09T9114

dimension drawing



general data

scanning range Sd	30 ... 200 mm
scanning range close limit Sdc	30 ... 200 mm
scanning range far limit Sde	30 ... 200 mm
repeat accuracy	< 0,5 mm
repeat accuracy (filter active)	< 0,1 mm
resolution	< 0,3 mm
resolution (filter active)	< 0,1 mm
response time ton	< 7 ms
temperature drift	< 0,18 % Sde/K (comp. off, factory set) < 2 % So (compensation on)
sonic frequency	380 kHz
alignment aid	target indication flashing
light indicator	yellow LED / red LED

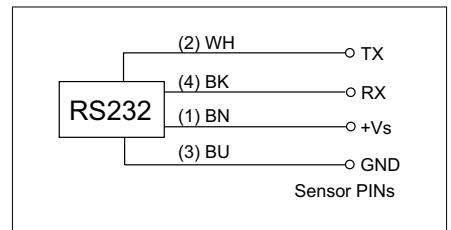
photo



electrical data

voltage supply range +Vs	15 ... 30 VDC
current consumption max. (no load)	35 mA
output circuit	RS 232
baud rate	115200
residual ripple	< 10 % Vs
short circuit protection	yes
reverse polarity protection	yes, Vs to GND

connection diagram



mechanical data

type	rectangular
housing material	PA 12
width / diameter	8,6 mm
height / length	48,8 mm
depth	30,5 mm
connection types	cable PUR 4 x 0,08, 2 m

ambient conditions

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



• Information about functional range see instruction manual on www.baumer.com

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typical sonic cone profile

