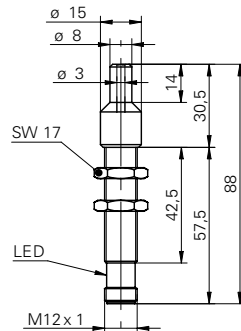


Ultrasonic proximity sensors with analog output

UNAM 12U9914/S14D

dimension drawing



general data

special type	with beam columnator
sensing range sd	2 ... 82 mm
scanning range close limit Sdc	2 ... 82 mm
scanning range far limit Sde	2 ... 82 mm
repeatability	< 0,5 mm
resolution	< 0,3 mm
adjustment	external Teach-in
sonic frequency	380 kHz
response time ton	< 30 ms
release time toff	< 30 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
current consumption max.	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	cylindrical
housing material	brass nickel plated
width / diameter	12 mm
height / length	88 mm
connection types	connector M12

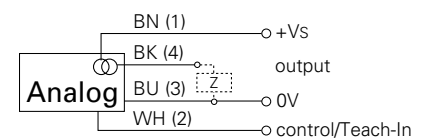
ambient conditions

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

photo



connection diagram



- Analog voltage output 0 - 10 V