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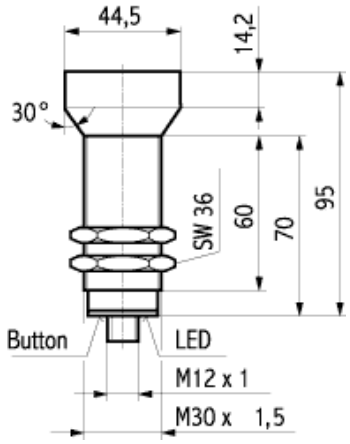
Baumer electric

Ultrasonic analog sensors, cylindrical with Teach-in

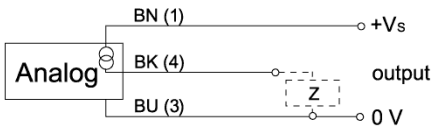
UNAM 50U6121/S14



Technical Data	
scanning range Sd	400 - 2500 mm
resolution	0,3 mm
output circuit	analog voltage output
housing style	cylindrical
width /diameter	30 mm
height	95 mm
depth	-
housing material	brass nickel plated
connection	connector
scanning range close limit Sdc (Teach-in)	400 - 2400 mm
scanning range far limit Sde (Teach-in)	500 - 2500 mm
sonic beam angle	8 °
sonic frequency	120 kHz
voltage supply range +Vs	15 - 30 VDC
residual ripple	< 10% Vs
supply current	< 30 mA
max. switching current	< 20 mA
output	0 - 10 V / 10 - 0 V
load resistance at +Vs>15V	-
load resistance at +Vs>24V	-
short circuit protection	yes
reverse polarity protection	yes
response time ton/toff	< 160 ms
linearity L	-
repeatability	< 1 mm
temperature drift	< 2% of distance to target So
temperature range	0 ... +60 °C
protection class	IP 67
output indicator	yellow LED / red LED
adjustment	teach-in
adjustment aid	target display flashing
connector type	-
connector options	ESW 33, ESG 34

photo

connection diagram



Analog voltage output 0 - 10 V, long scanning distance