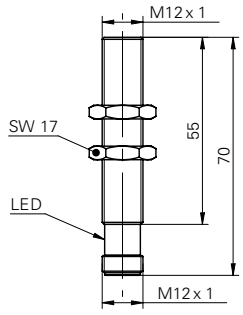
Ultrasonic proximity sensors

UNAM 12N1912/S14

dimension drawing



general data	
sensing range sd	40 ... 400 mm
scanning range far limit Sde	60 ... 400 mm
hysteresis typ.	4 % Sde
repeatability	< 0,5 mm
temperature drift	< 0,18 % Sde/K
adjustment	external Teach-in
response time ton	< 25 ms
release time toff	< 25 ms
alignment aid	target display flashing
sonic frequency	290 kHz
output indicator	LED green

electrical data	
voltage supply range +Vs	12 ... 30 VDC
current consumption max.	35 mA
output circuit	NPN make function (NO)
output current	< 200 mA
voltage drop Vd	< 2 VDC
residual ripple	< 10 % Vs
short circuit protection	yes
reverse polarity protection	yes

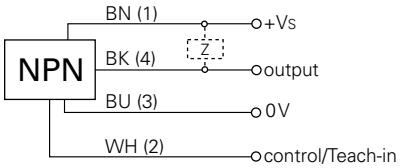
mechanical data	
type	cylindrical
housing material	brass nickel plated
width / diameter	12 mm
height / length	70 mm
connection types	connector M12

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

photo



connection diagram



- external Teach-in
- miniature housing