

Ultrasonic distance measuring sensors

UNAR 18U6903/S14G

dimension drawing



general data

special type	chemically resistant
scanning range Sd	100 ... 1000 mm
scanning range close limit Sdc	100 ... 1000 mm
scanning range far limit Sde	100 ... 1000 mm
repeat accuracy	< 0,5 mm
resolution	< 0,3 mm
response time ton	< 80 ms
release time toff	< 80 ms
temperature drift	< 2 % of distance to target So
sonic frequency	240 kHz
adjustment	Teach-in
alignment aid	target indication flashing
light indicator	yellow LED / red LED

electrical data

voltage supply range +Vs	15 ... 30 VDC
current consumption max. (no load)	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 threaded
housing material	stainless steel 1.4435 (V4A)
coating active face	Parylene
material O-ring	FFKM
front of sensor durable against pressure	6 bar, 20'000 cycle
width / diameter	18 mm
height / length	91,5 mm
connection types	connector M12

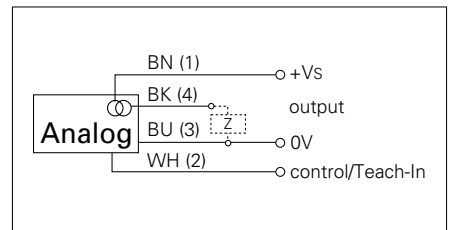
ambient conditions

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

photo



connection diagram



UL.eps

- internal and external Teach-in
- chemically resistant version

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typical sonic cone profile

