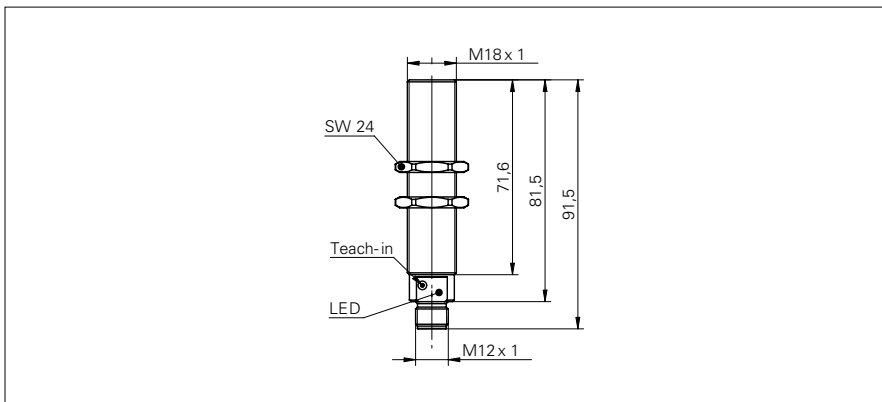


## Ultrasonic retro-reflective sensors

## URAR 18N6912/S14G

## dimension drawing



## general data

special type	chemically resistant
scanning range $s_d$	0 ... 400 mm
reflector position $S_{de}$	120 ... 400 mm
repeat accuracy	< 1,5 mm
temperature drift	< 2 % $S_{de}$
response time $t_{on}$	< 25 ms
release time $t_{off}$	< 25 ms
sonic frequency	400 kHz
adjustment	Teach-in
alignment aid	target indication flashing
output indicator	LED green

## electrical data

voltage supply range $+V_s$	12 ... 30 VDC
current consumption max. (no load)	35 mA
output circuit	NPN make function (NO)
output current	< 200 mA
voltage drop $V_d$	< 2 VDC
residual ripple	< 10 % $V_s$
short circuit protection	yes
reverse polarity protection	yes

## mechanical data

type	cylindrical threaded
housing material	stainless steel 1.4435 (V4A)
width / diameter	18 mm
height / length	91,5 mm
connection types	connector M12
coating active face	Parylene
material O-ring	FFKM
front of sensor durable against pressure	6 bar, 20'000 cycle

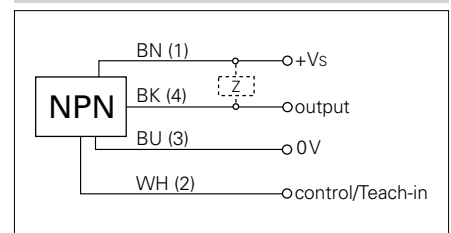
## ambient conditions

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

## photo



## connection diagram



- internal and external Teach-in
- chemically resistant version