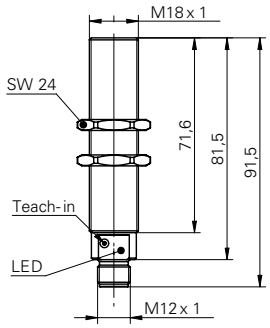
Ultrasonic proximity sensors

UNAR 18P6912/S14G

dimension drawing



general data	
special type	chemically resistant
sensing range sd	60 ... 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	Teach-in
response time ton	< 25 ms
release time toff	< 25 ms
alignment aid	target display flashing
sonic frequency	400 kHz
output indicator	LED green

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

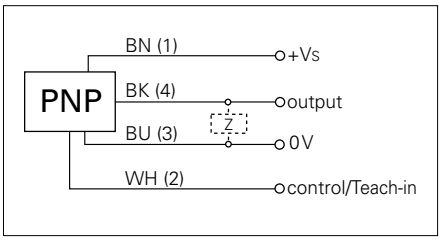
mechanical data	
type	cylindrical
housing material	stainless steel 1.4435 (V4A)
coating active face	Parylene
material O-ring	FFKM
front of sensor durable against pressure	6 bar, 20'000 cycle
width / diameter	18 mm
height / length	91,5 mm
connection types	connector M12

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

photo



connection diagram



- internal and external Teach-in
- chemically resistant version