

**Ultrasonic proximity sensors**

**UNAR 18 (Sde = 1000 mm)**

**sample drawing**



**general data**

special type	chemically resistant
scanning range Sd	100 ... 1000 mm
scanning range far limit Sde	100 ... 1000 mm
hysteresis typ.	4 % Sde
repeat accuracy	< 0,5 mm
temperature drift	< 0,18 % Sde/K
response time ton	< 50 ms
release time toff	< 50 ms
sonic frequency	240 kHz
adjustment	Teach-in
alignment aid	target indication flashing
output indicator	LED green

**electrical data**

voltage supply range +Vs	12 ... 30 VDC
current consumption max. (no load)	35 mA
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 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

**sample picture**



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<b>order reference</b>	<b>output circuit</b>
<b>UNAR 18N6903/S14G</b>	NPN make function (NO)
<b>UNAR 18N7903/S14G</b>	NPN break function (NC)
<b>UNAR 18P6903/S14G</b>	PNP make function (NO)
<b>UNAR 18P7903/S14G</b>	PNP break function (NC)