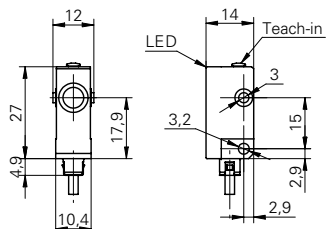


Ultrasonic retro-reflective sensors

URDK 10N8914

dimension drawing



general data

scanning range s_d	0 ... 200 mm
reflector position S_{de}	40 ... 200 mm
adjusting range reflector (operating range)	$\pm 2,5 \% S_{de}$
adjusting range reflector (limit range)	$\pm 5 \% S_{de}$
repeat accuracy	$< 1,5$ mm
alignment aid	target indication flashing
adjustment	Teach-in
temperature drift	$< 2 \% S_{de}$
response time t_{on}	< 15 ms
release time t_{off}	< 15 ms
sonic frequency	380 kHz
output indicator	LED green

electrical data

voltage supply range $+V_s$	12 ... 30 VDC
current consumption max. (no load)	30 mA
output circuit	NPN make function (NO) / break function (NC)
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	rectangular
housing material	plastic (ASA)
width / diameter	10,4 mm
height / length	27 mm
depth	14 mm
connection types	cable, 2 m

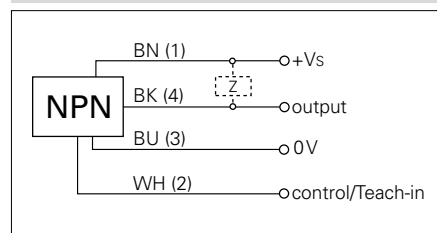
ambient conditions

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

photo



connection diagram



- make function/break function, programmable