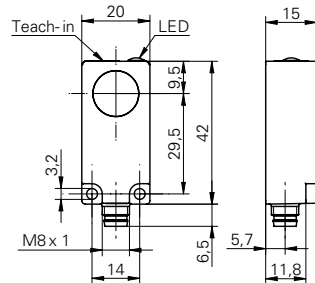


Ultrasonic retro-reflective sensors

URDK 20N7903/S35A

dimension drawing



general data

scanning range sd	0 ... 1000 mm
reflector position Sde	200 ... 1000 mm
adjusting range reflector (operating range)	$\pm 2,5 \% Sde$
adjusting range reflector (limit range)	$\pm 5 \% Sde$
repeat accuracy	$< 1,5 \text{ mm}$
temperature drift	$< 2 \% Sde$
response time ton	$< 50 \text{ ms}$
release time toff	$< 50 \text{ ms}$
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 circuit	NPN break function (NC)
output current	$< 200 \text{ mA}$
voltage drop Vd	$< 2 \text{ VDC}$
residual ripple	$< 10 \% Vs$
short circuit protection	yes
reverse polarity protection	yes

mechanical data

type	rectangular
housing material	polyester
width / diameter	20 mm
height / length	42 mm
depth	15 mm
connection types	connector M8

ambient conditions

operating temperature	$-10 \dots +60 \text{ }^\circ\text{C}$
protection class	IP 67

photo



connection diagram

