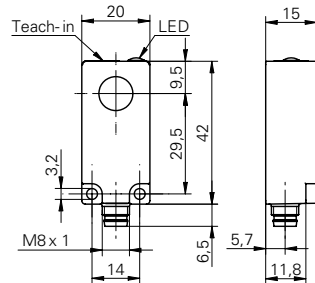


Ultrasonic retro-reflective sensors

URDK 20 (Sde = 400 mm)

sample drawing



general data

scanning range sd	0 ... 400 mm
reflector position Sde	100 ... 400 mm
adjusting range reflector (operating range)	$\pm 2,5 \% Sde$
adjusting range reflector (limit range)	$\pm 5 \% Sde$
repeat accuracy	< 1,5 mm
alignment aid	target indication flashing
adjustment	Teach-in
temperature drift	< 2 % Sde
response time ton	< 25 ms
release time toff	< 25 ms
sonic frequency	290 kHz
output indicator	LED green

electrical data

voltage supply range +Vs	12 ... 30 VDC
current consumption max.	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	rectangular
housing material	polyester
width / diameter	20 mm
height / length	42 mm
depth	15 mm
connection types	connector M8

ambient conditions

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

sample picture



Ultrasonic retro-reflective sensors**URDK 20 (Sde = 400 mm)**

order reference	output circuit
URDK 20N6912/S35A	NPN make function (NO)
URDK 20N7912/S35A	NPN break function (NC)
URDK 20P6912/S35A	PNP make function (NO)
URDK 20P7912/S35A	PNP break function (NC)