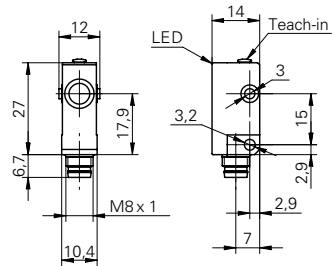


Ultrasonic proximity sensors

UNDK 10 (Sd = 200 mm)

sample drawing



general data

sensing range sd	10 ... 200 mm
scanning range far limit Sde	30 ... 200 mm
hysteresis typ.	4% Sde
repeatability	< 0,5 mm
temperature drift	< 0,18% Sde/K
adjustment	Teach-in
response time ton	< 15 ms
release time toff	< 15 ms
alignment aid	target display flashing
sonic frequency	380 kHz
output indicator	LED green

sample picture



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	plastic (ASA)
width / diameter	10,4 mm
height / length	27 mm
depth	14 mm

ambient conditions

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

Ultrasonic proximity sensors

UNDK 10 (Sd = 200 mm)

order reference	output circuit	connection types
UNDK 10N8914	NPN make function (NO) / break function (NC)	cable, 2 m
UNDK 10N8914/KS35A	NPN make function (NO) / break function (NC)	flylead connector M8
UNDK 10N8914/S35A	NPN make function (NO) / break function (NC)	connector M8
UNDK 10P8914	PNP make function (NO) / break function (NC)	cable, 2 m
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