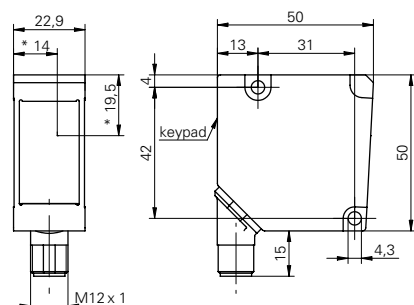


Line sensors

ZADM 023 (PosCon, large measuring range)

sample drawing



* receiver axis

general data

type	measuring mode: edges, center, width
version	without filter for transparent objects
measuring field size (dep. on measuring dist.)	400 ... 875 mm
measuring distance (to object)	640 ... 1400 mm
measuring frequency	> 500 Hz
resolution	0,5 ... 1 mm
smallest object recognizable	8,5 ... 18 mm
linearity error relative	< 0,3 %
light source	pulsed infrared diode
wave length	880 nm
adjustment	Teach-in

electrical data

response time	< 2 ms
voltage supply range +Vs	15 ... 28 VDC
current consumption max.	150 mA
output signal	4 ... 20 mA
output current	< 100 mA
interface	analog and RS 485
baud rate	19200, adjustable
reverse polarity protection	yes, Vs to GND
short circuit protection	yes

mechanical data

width / diameter	23 mm
type	rectangular
housing material	die-cast zinc
front (optics)	glass
connection types	connector M12 8 pin, rotatable

ambient conditions

operating temperature	0 ... +55 °C
protection class	IP 67

sample picture



Line sensors**ZADM 023 (PosCon, large measuring range)**

order reference	output function	switching output
ZADM 023H871.0001	Out 1 / Alarm	PNP
ZADM 023H871.0002	Out 1 / Alarm	NPN
ZADM 023H871.0011	Out 1 / Out 2	PNP
ZADM 023H871.0012	Out 1 / Out 2	NPN