Distance sensors

OADM 260I1101/S14C

Distance sensors

Article number: 11044710

overview

- 200 … 13000 mm
- pulsed red laser diode
- analog
- Teach-in: button / external
- connector M12 5 pin, rotatable
- -25 … 50 °C
- IP 67



Technical data

general data	
measuring distance Sd	200 … 13000 mm
measuring distance Sd (white 90%)	200 … 13000 mm
measuring distance Sd (grey 18%)	200 … 9000 mm
measuring distance Sd (black 6%)	200 … 4000 mm
adjustment	Teach-in: button / external
Teach-in range min.	> 100 mm
power on indication	LED green
soiled lens indicator	LED red
resolution	5000 µm
repeatability	± 15 mm (with 40 kLux ambient light)
linearity	± 15 mm
light source	pulsed red laser diode
wave length	660 nm
laser class	2
beam type	point
beam diameter	5 … 50 mm
electrical data	
measuring rate	10 ms
voltage supply range +Vs	15 … 28 VDC

electrical data	
current consumption max. (no load)	250 mA (typ. 110 mA @ 24V)
output circuit	analog
output signal	4 ... 20 mA
load resistance (analog I)	< (+Vs - 6 V) / 0,02 A
output current	< 100 mA
alarm output	push-pull
short circuit protection	yes
reverse polarity protection	yes, Vs to GND
mechanical data	
width / diameter	25,4 mm
height / length	66 mm
depth	51 mm
type	rectangular
housing material	aluminum
front (optics)	glass
connection types	connector M12 5 pin, rotatable
ambient conditions	
ambient light immunity	< 40 kLux
operating temperature	-25 … +50 °C
protection class	IP 67
typ. temp. coefficient	0,4 mm /°C

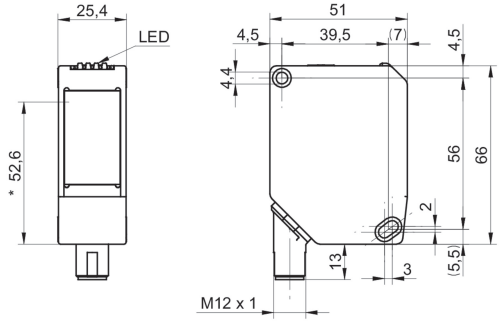
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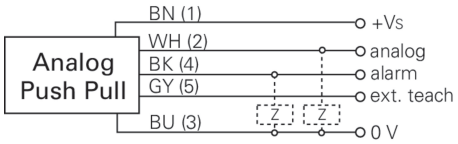
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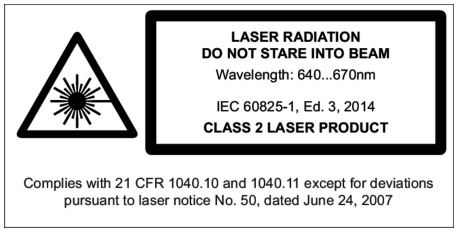
dimension drawing



connection diagram



laser warning



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