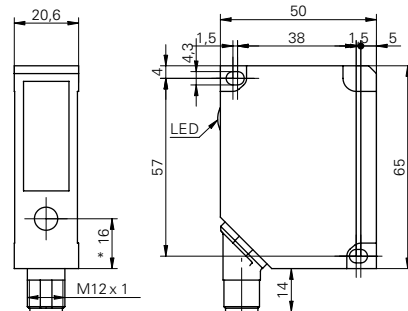


Distance sensors

OADM 20S4471/S14F

dimension drawing



* emitter axis

general data

measuring distance Sd	100 ... 500 mm
adjustment	no
power on indication	LED green
soiled lens indicator	LED red
resolution	0,2 ... 0,5 mm
linearity error	$\pm 0,8 \dots \pm 2$ mm
light source	pulsed red laser diode
wave length	650 nm
laser class	2
beam type	point
beam diameter	2 mm
temperature drift	< 0,04 % Sde/K

electrical data

response time / release time	< 10 ms
voltage supply range +Vs	12 ... 28 VDC
current consumption max. (no load)	100 mA
output circuit	RS 485
baud rate	19200
output current	< 100 mA
alarm output	push-pull
short circuit protection	yes
reverse polarity protection	yes, Vs to GND

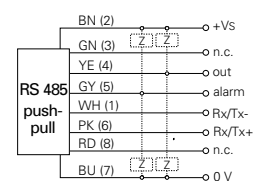
mechanical data

width / diameter	20,6 mm
height / length	65 mm
depth	50 mm
type	rectangular
housing material	die-cast zinc
front (optics)	glass
connection types	connector M12 8 pin, rotatable

photo



connection diagram



laser warning



LASER RADIATION
DO NOT STARE INTO BEAM
Wavelength: 620...680nm
Max. av. Output: < 1mW
IEC 60825-1, Ed. 2, 2007
CLASS 2 LASER PRODUCT

Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to laser notice No. 50, dated June 24, 2007

Distance sensors**OADM 20S4471/S14F****ambient conditions**

ambient light immunity	< 16 kLux
operating temperature	0 ... +50 °C
protection class	IP 67