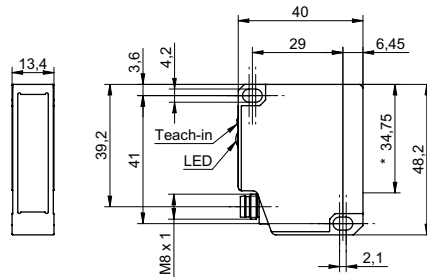


Distance sensors

OADM 13U6575/S35A

dimension drawing



* emitter axis

general data

measuring distance Sd	50 ... 350 mm
adjustment	Teach-in: button / external
Teach-in range min.	> 5 mm
power on indication	LED green
soiled lens indicator	LED red
resolution	0,01 ... 0,4 mm
linearity error	$\pm 0,05 \dots \pm 1,2$ mm
light source	pulsed red laser diode
wave length	650 nm
laser class	2
beam type	line
beam width	2 mm
beam height	4 ... 9 mm
interference suppression	< 30 ms
temperature drift	< 0,04 % Sde/K

electrical data

response time / release time	< 0,9 ms
voltage supply range +Vs	12 ... 28 VDC
current consumption max. (no load)	80 mA
output circuit	analog
output signal	0 ... 10 VDC
load resistance	> 100 kOhm
short circuit protection	yes
reverse polarity protection	yes, Vs to GND

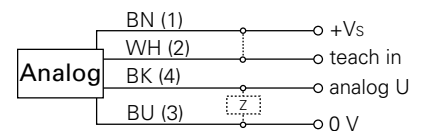
mechanical data

width / diameter	13,4 mm
height / length	48,2 mm
depth	40 mm
type	rectangular
housing material	aluminum
front (optics)	glass
connection types	connector M8 4 pin

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 13U6575/S35A****ambient conditions**

ambient light immunity	< 30 kLux
operating temperature	0 ... +50 °C
protection class	IP 67