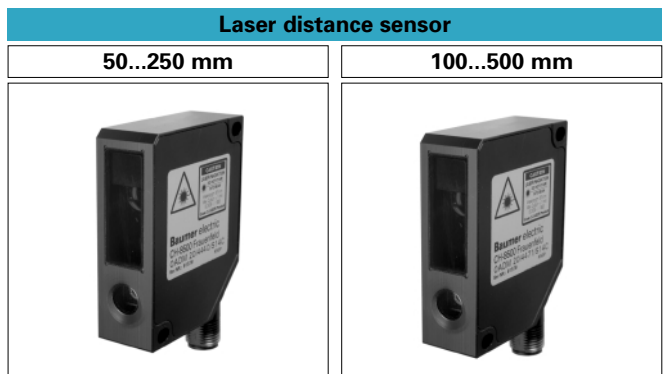
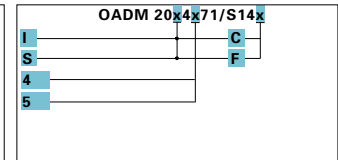
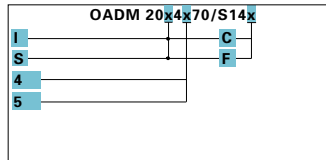


Laser distance sensor Type OADM



part number	
analog interface	index
analog RS 485	index
laser point	index
laser line	index



technical data	
measuring range	50...250 mm
resolution (white paper)	0,3 mm
linearity error (white paper)	± 0,9 mm
response time	< 10 ms
sensing element	photoelectric array
analog output	4 - 20 mA / ¹⁾ (0 - 10 VDC)
alarm output	PNP
max. switching current	100 mA
power indicator	green LED
soiled lens indicator	red LED
voltage supply range	12-28 VDC
max. supply current	< 120 mA
light source	pulsed red laser diode
laser class	2
wave length	675 nm
laser beam diameter	2 mm
reverse polarity protection	yes
short circuit protection	yes
housing material	die-cast zinc
protection class	IP 67
temperature range	0...+50 °C
laser beam data	
laser beam diameter	OADM 20x44x0/S14x 2 mm
laser beam height	OADM 20x45x0/S14x 4...9,5 mm
laser beam width	OADM 20x45x0/S14x 1 mm

measuring range	50...250 mm
resolution (white paper)	0,3 mm
linearity error (white paper)	± 0,9 mm
response time	< 10 ms
sensing element	photoelectric array
analog output	4 - 20 mA / ¹⁾ (0 - 10 VDC)
alarm output	PNP
max. switching current	100 mA
power indicator	green LED
soiled lens indicator	red LED
voltage supply range	12-28 VDC
max. supply current	< 120 mA
light source	pulsed red laser diode
laser class	2
wave length	675 nm
laser beam diameter	2 mm
reverse polarity protection	yes
short circuit protection	yes
housing material	die-cast zinc
protection class	IP 67
temperature range	0...+50 °C

measuring range	100...500 mm
resolution (white paper)	0,5 mm
linearity error (white paper)	± 1,5 mm
response time	< 10 ms
sensing element	photoelectric array
analog output	4 - 20 mA / ¹⁾ (0 - 10 VDC)
alarm output	PNP
max. switching current	100 mA
power indicator	green LED
soiled lens indicator	red LED
voltage supply range	12-28 VDC
max. supply current	< 120 mA
light source	pulsed red laser diode
laser class	2
wave length	675 nm
laser beam diameter	2 mm
reverse polarity protection	yes
short circuit protection	yes
housing material	die-cast zinc
protection class	IP 67
temperature range	0...+50 °C

¹⁾ voltage output	in preparation
0 - 10 VDC	

in preparation

in preparation

- Wide measuring range
- Accurate distance measurement against different surfaces
- High resolution
- Excellent linearity of output signal due to microprocessor technology
- Soiling indicator and alarm output
- Current/voltage or RS 485 interface
- Laserline for distance measuring on rough surfaces



connection diagram



accessories

mounting bracket 131521

connectors

ES 34CP5B 5 pin 5 m PUR (shielded)
 ES 34AP2B 4 pin 2 m PUR (shielded)
 ESG 34FP0200B 8 pin 2 m PUR (shielded)

suitable to

Analog interface (voltage/current)
 Analog interface (only use for current output)
 RS 485 interface

for details see accessories section

Measuring range
50...250 mm

Measuring range
100...500 mm

Resolution
0,3 mm

Response time
10 ms

Metal housing

