



## features

- User management
- Password protection
- Backup & Restore function
- Coordinate transformation
- flexible result conjunction
- Download VeriSens® Application Suite: [www.baumer.com/vs-sw](http://www.baumer.com/vs-sw)



## general data

resolution	752 × 480 px
sensor type	1/3" CMOS, monochrome
illumination	integrated, LED infrared (860 nm)
LED class	free group (risk free, EN 62471:2008)
high-resolution mode	max. 50 inspections per second
high-speed mode (limited resolution)	max. 100 inspections per second
object distance min.	70 mm
object distance max.	300 mm
number of jobs (products)	≤ 255
features per job	32
signal processing	Baumer FEX® 4.0
defect image memory	32
lens	16 mm

## electrical data

voltage supply range +Vs	18 ... 30 V DC
power consumption	typical 5 W ( $I_{max} = 1$ A at 24 V)
digital inputs	5 inputs (8 ... 30 V) trigger job selection external teach-in encoders (CH-A, CH-B) 500 kHz
digital outputs	5 outputs (PNP) Pass / Fail Flash Sync Alarm Camera Ready Output Enable
initial setup	Ethernet (10BASE-T / 100BASE-TX)
process interface	TCP/UDP (Ethernet)
visualization	web interface

## non-volatile memory

flash memory size	256 Mbit Flash S29GL256P10FFI010
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## mechanical data

width	53 mm
height	99,5 mm
depth	38 mm
weight	≤ 250 g
material	housing: aluminum cover glass: PMMA, integrated daylight filter (780 nm)

## environmental conditions

operating temperature	+5 ... +50 °C
storage temperature	-20 ... +70 °C
case temperature	max. +50 °C
humidity	0 ... 90 % (non-condensing)
protection class	IP 67
vibration load	IEC 60068-2-6 IEC 60068-2-64
mechanical shock resistance	EN 60068-2-27

## conformity

conformity	CE RoHS
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## feature checks

part location	part location on contours part location on edges part location on circle part location on text line
geometry	distance circle angle count edges point position edge characteristics

**feature checks**

feature comparison	count contour points
	contour comparison
	brightness
	contrast
	area size
	count areas
	pattern comparison

**electrical connection M12 / 12-pin, A-coded (on device)**



1: PWR (+18-30 V DC)	7: OUT3
2: Ground	8: IN3
3: IN1 (Trigger)	9: OUT4
4: OUT1	10: IN4
5: IN2	11: IN5
6: OUT2	12: OUT5

**Ethernet connection M12 / 4-pin (on device)**



1: TD+	3: TD-
2: RD+	4: RD-

**dimension drawing**

