



## features

- PROFINET and EtherNet/IP™ interface integrated
- FEX® image processor
- FEXLoc® 360° part location
- ColorFEX® intelligent 3D color assistant
- 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, color
illumination	integrated, LED white
LED class	risk group 1 (low risk, EN 62471:2008)
high-resolution mode	max. 50 inspections per second
object distance min.	100 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	Typ. 8 W (I <sub>max</sub> = 1 A @ 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 100 mA) Pass / Fail Flash Sync Alarm Camera Ready Output Enable
initial setup	Ethernet (10BASE-T / 100BASE-TX)
process interface	PROFINET (CC-A) EtherNet/IP™ TCP/UDP (Ethernet)
visualization	configurable web interface with MultiViewer function

## non-volatile memory

flash memory size	2000 Mbit Flash S34ML02G100BHI0000
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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

## environmental conditions

operating temperature	+5 ... +50 °C @ T = measurement point
storage temperature	-20 ... +70 °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   |
|                    | color identification |
|                    | color positioning    |

**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**

