

**Overview**

- PROFINET and EtherNet/IP interface integrated
- FEX image processor
- FEXLoc 360° part location
- Flexible result conjunction
- Download VeriSens Application Suite: [www.baumer.com/vs-sw](http://www.baumer.com/vs-sw)



Picture similar



**Technical data**

General data		Electrical data	
Resolution	752 × 480 px	Digital inputs	5 inputs trigger job selection external teach-in encoders (CH-A, CH-B) 500 kHz
Sensor type	1/3" CMOS, monochrome	Outputs	PNP $I_{peak} = 100\text{ mA}$ and $I_{eff} = 50\text{ mA}$ (short-circuit proof)
Illumination	integrated, LED white	Digital outputs	5 outputs Pass / Fail Flash Sync Alarm Camera Ready Output Enable
LED class	risk group 1 (low risk, EN 62471:2008)	Initial setup	Ethernet (10BASE-T / 100BASE-TX)
High-resolution mode	max. 50 inspections per second	Process interface	PROFINET (CC-A) EtherNet/IP™ TCP/UDP (Ethernet)
High-speed mode (limited resolution)	max. 100 inspections per second	Visualization	configurable web interface with <i>Mul-tiViewer</i> function
Object distance min.	50 mm	Mechanical data	
Object distance max.	450 mm	Width	53 mm
Number of jobs (products)	≤ 255	Height	99.5 mm
Features per job	32	Depth	38 mm
Signal processing	Baumer FEX® 4.0	Weight	≤ 250 g
Defect image memory	32	Material	housing: aluminum cover glass: PMMA
Lens	12 mm		
Electrical data			
Nominal voltage power supply	24 V +- 25%		
Nominal voltage power supply (add-on)	Class 2 according to NEC / protection class III		
Nominal voltage power supply (info)	The device is intended for supply from an isolated limited power source according to UL61010-1, 3rd ed cl. 9.4 or a limited energy source according to UL60950-1 or Class 2 according to NEC.		
Power consumption	Max. 18 W (with I/O)		
Inputs	8 ... 30 V (polarity protected)		

The product features and technical data specified do not express or imply any warranty. Technical modifications subject to change.

**Technical data**

**Environmental conditions**

Operating temperature	+5 ... +60 °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

**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 find object positions
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**Conformity**

Conformity	CE RoHS KC (R-REI-BkRR-VeriSens-IP) UL
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**Non-volatile memory**

Flash memory size	2000 Mbit Flash S34ML02G100BH10000
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**Electrical connection**



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



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

**Dimension drawing**

