

overview

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



technical data

general data

| | |
|--------------------------------------|--|
| resolution | 752 × 480 px |
| sensor type | 1/3" CMOS, monochrome |
| illumination | integrated, LED white |
| LED class | risk group 1 (low risk, 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 ($I_{max} = 1 \text{ A at } 24 \text{ V}$) |
| digital inputs | 5 inputs (8 ... 30 V) trigger job selection external teach-in encoders (CH-A, CH-B) 500 kHz |

electrical data

| | |
|-------------------|--|
| digital outputs | 3 outputs (PNP) Pass / Fail Flash Sync Alarm Camera Ready Output Enable |
| initial setup | Ethernet (10BASE-T / 100BASE-TX) |
| process interface | TCP/UDP (Ethernet) RS485 |
| visualization | web interface |

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 |
| 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 |

technical data

environmental conditions

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

conformity

conformity CE
KC (R-REI-BkR-VeriSens-RP)
RoHS

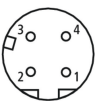
non-volatile memory

flash memory size 256 Mbit Flash S29GL256P10FFI010

Electrical connection



| | |
|----------------------|------------|
| 1: PWR (+18-30 V DC) | 7: OUT3 |
| 2: Ground | 8: IN3 |
| 3: IN1 (Trigger) | 9: RS485+ |
| 4: OUT1 | 10: IN4 |
| 5: IN2 | 11: IN5 |
| 6: OUT2 | 12: RS485- |



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

dimension drawing

