

# VS CS100M03I10EP

CS100

Article number: 11089900

## overview

- Backup & Restore function
- Download VeriSens® Application Suite: [www.baumer.com/vs-sw](http://www.baumer.com/vs-sw)



## technical data

### 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        |
| object distance min.      | 50 mm                                 |
| number of jobs (products) | ≤ 255                                 |
| features per job          | 32                                    |
| signal processing         | Baumer FEX® 3.5                       |
| defect image memory       | 32                                    |
| lens                      | 10 mm                                 |

### electrical data

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

### mechanical data

|          |                                                                             |
|----------|-----------------------------------------------------------------------------|
| width    | 53 mm                                                                       |
| height   | 99,5 mm                                                                     |
| depth    | 38 mm                                                                       |
| weight   | ≤ 250 g                                                                     |
| material | housing: aluminum<br>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<br>IEC 60068-2-64 |
| mechanical shock resistance | EN 60068-2-27                   |

### feature checks

|                    |                                                          |
|--------------------|----------------------------------------------------------|
| part location      | part location on contours                                |
| geometry           | distance<br>circle                                       |
| feature comparison | count contour points<br>contour comparison<br>brightness |

### conformity

|            |            |
|------------|------------|
| conformity | CE<br>RoHS |
|------------|------------|

## technical data

### 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: OUT4  |
| 4: OUT1              | 10: IN4  |
| 5: IN2               | 11: IN5  |
| 6: OUT2              | 12: OUT5 |



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

## dimension drawing

