



VeriSens® Serie 500

The starter model in the world of vision sensors

For inspection of

- Part completeness
- Part presence
- Part location
- Correct position

Sensor Solutions

Motion Control

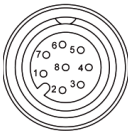
Vision Technologies

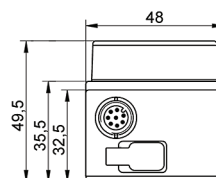
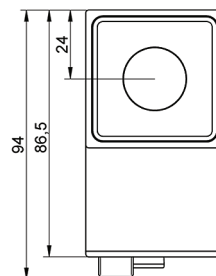
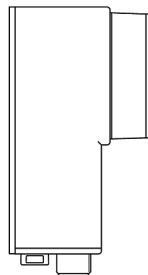
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|-----------------------------|--|
| Model | VXS 0501M10WS |
| Image sensor | CMOS |
| Number of pixels | 320 x 240 |
| Type | Monochrome |
| LED illumination | White |
| Speed | Max. 50 inspections per second |
| Lens | f = 10 mm |
| Min. object distance | 50 mm |
| Object distance | Maximum field of view |
| 60 mm | 19 mm x 14 mm |
| 100 mm | 35 mm x 26 mm |
| 200 mm | 73 mm x 55 mm |
| 300 mm | 111 mm x 84 mm |
| Signal processing | |
| Processor | Baumer FEX® 2.5 |
| Memory | 32 MBytes |
| Inputs / Outputs | Inputs: 8...30 VDC / Outputs: PNP 100 mA |
| 3x digital input | Trigger |
| | Job selection 1 |
| | Job selection 2 |
| 3x digital output | Ready |
| | Pass / Fail |
| | Flash sync / Alarm |
| Communication | |
| Serial | USB 2.0 |
| Electrical data | |
| Power supply | 8...30 VDC |
| Power consumption | Typically 6 Watt |
| Housing | |
| Material | Aluminum and polycarbonate |
| Weight | 250 g |
| Operating conditions | |
| Operating temperature | 5 °C...50°C |
| Humidity | 0 %...90 % (non-condensing) |
| Protection class | IP 64 |

Series 500

Your benefits

- Fast and reliable object detection with one compact unit
- Tolerant to variations in transport due to one-dimensional position correction
- Reliable operation even under varying lighting conditions due to contour-based image processor
- Rapid commissioning is supported by intuitive user interface with pre-configured sensor functions
- Switching between several jobs

| PLC interface | Type M12 |
|-------------------------|---|
| 1: IN1 (Trigger) |  |
| 2: Power +24 VDC | |
| 3: OUT1 (Ready) | |
| 4: OUT2 (Pass / Fail) | |
| 5: OUT3 (Flash / Alarm) | |
| 6: IN2 (Job) | |
| 7: Ground | |
| 8: IN3 (Job) | |



- Compact
- Reliable
- Powerful
- User-friendly



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